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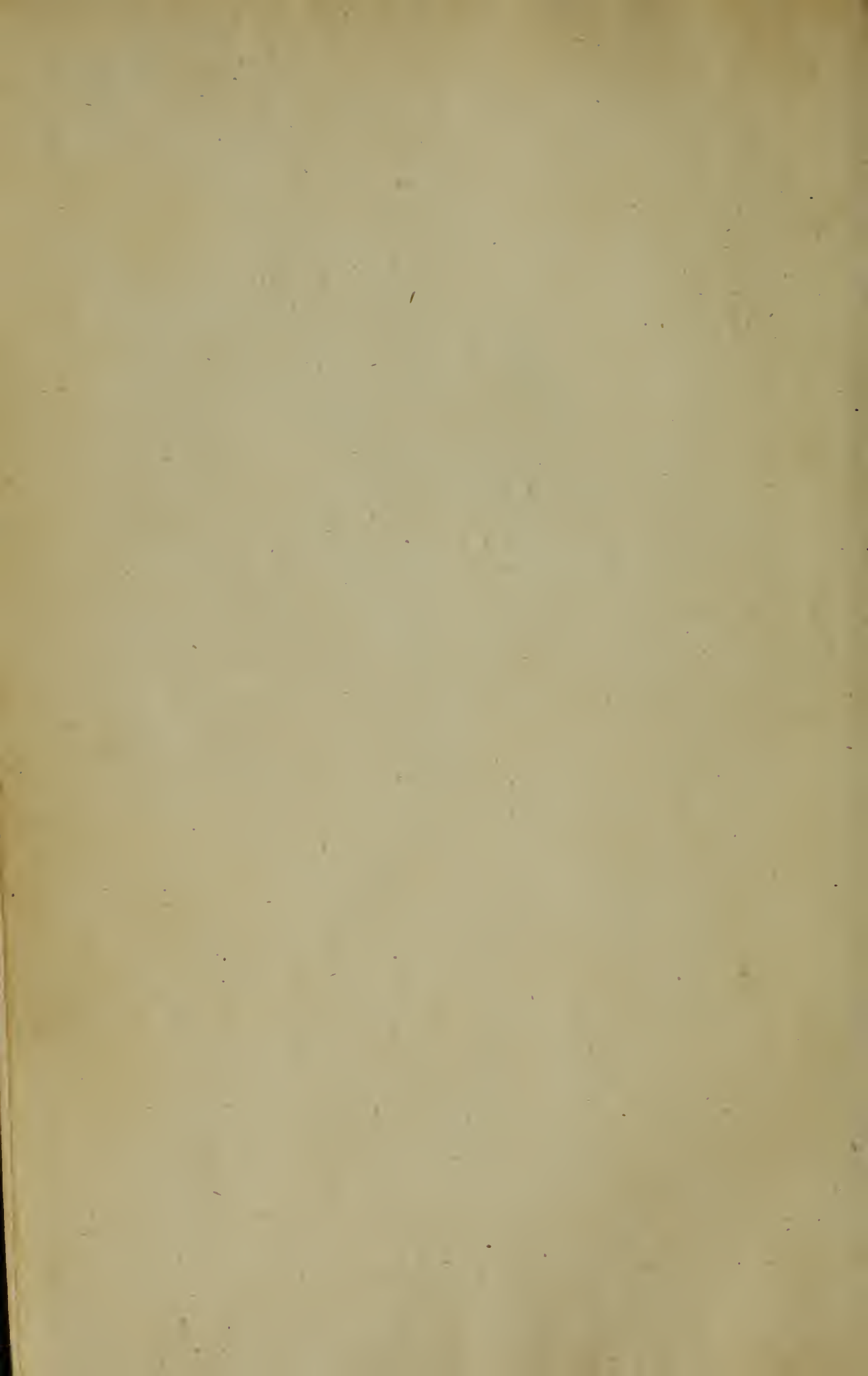
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Toⁿ Dougharty ju^r given by his
Father for a New Years Gift 1734⁵



SCULPTURA:

OR THE

HISTORY, and ART,

OF

CHALCOGRAPHY,

AND

Engraving in Copper.

WITH

An ample enumeration of the most renowned Masters, and their Works.

To which is annexed

A new manner of Engraving, or *Mezzo Tinto*, communicated by his Highness *Prince Rupert* to the Authour of this Treatise.



XXXI. EXOD. XXXV.

Impleti cum Spiritu Domini, scientia, & Intelligentia,
& Scientia in omni opere, &c.

LONDON

Printed by J. C. for G. Beedle, and T. Collins at the Middle
Temple Gate, and J. Crook in St. Pauls Church-yard

1682





TO THE
HONOURABLE,
 AND
 LEARNED GENTLEMAN,
ROBERT BOYLE Esq;

S I R,

HAVING upon your reiterated instances (which are ever commands with me) prepared this Treatise concerning the History of Chalcography &c. I thought my self engag'd, to signifie to the rest, that may possibly receive or Satisfaction, or Benefit from it, to whom they are obliged for the Publication of it. The truth is, as it respects the pains which I have taken, it bears not

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the least proportion with my ambition of serving you ; but as you are pleased to judge it useful for the encouragement of the Gentlemen of our Nation, who sometimes please themselves with these innocent diversions (Collections worthy of them for divers respects) and, especially, that such as are addicted to the more Noble Mathematical Sciences, may draw, and engrave their Schemes with delight and assurance, I have been induc'd to think it more worthy your Patronage, and of my small Adventure, who professe to have nothing so much in my desires, and which I more avow the pursuite of, then to employ the whole remainder of the life, which God shall assigne me, and that I can redeem from its impertinencies, in contributing to that great and august designe, which
your

your illustrious, and happy Genius do's prompt you to, of cultivating the Sciences, and advancing of useful knowledge, emancipated from the strong contentions, and little fruit of the former; Envy, and imposture of the latter Ages.

Sir, This is not in the least to flatter you, nor can I have other aime n it, then that by your great Example, I might excite such as (like you) have Parts and Facul i s, to things that are glorious, and wo tby of them. Your studies are so mature and universal, your travels so highly improv'd, and your Experience so well establish'd; that, af er I have celebrated the Conversation which results from all these perfections, it is from You alone, that I might describe the Character of an accompl sh'd Genius, great, and wor. by our Emu-
lation.

lation. But though your modesty do's not permit me to run through all those Transcendencies; yet, the World is sufficiently instructed by what you cannot conceal, that I say nothing of servile, and which will not abide the Test; so as I have been often heard to exult in the felicity of this Conjunction of ours, which (since those prodigies of Virtue, the illustrious Ticho, Bacon, Gilbert, Harvey, Digby, Galileo, Peiresky, De Cartes, Gassendi, Bernier [his Disciple now in Persia] and the late incomparable Giacomo Maria Favi &c.) has produc'd us nothing, which will support the comparison with you, when I shall pronounce you (and as indeed your merits do challenge it) the Phœnix of this latter Age.

And now that I mention'd Signor Favi, I will not conceal with what

what extasie, and joy I lately found
his memory (which I have so much,
and so often heard mention'd a-
broad, by such as had the happiness
to know him intimately) consecra-
ted by the eloquent pen of Monsieur
Sorbier, in a discourse of his to
Monsieur Vitre, concerning the
utility of great Travel and Forreign
Voyages; because it approaches so
neer to the Idea which I have pro-
pos'd, and may serve as an encou-
ragement and example to the Gen-
tlemen of our Nation, who, for the
most part wander, and spend their
time abroad, in the pursuite of those
vain and lower pleasures, fruitless,
and altogether intollerable. But
Sir, I will crowd no more into
this Epistle (already too prolix))
which was only design'd to accom-
pany this piece, and some other use-
full, and more liberal diversions
of

of this nature, which I cannot yet
produce: But every thing has its
time, and when I would redeem it
to the best Advantage, it is by en-
tertaining it with something that
may best declare to all the World,
how greatly I account the honour of
being esteem'd

Sir, Your most humble,
and Most obedient

Sayes-Court
5. April 1662.

Servant

J. EVELYN.

An

*An Account of Signor Giacomo
Favi by Monsieur Sorbriere.*

G*Iacomo Maria Favi* of the House of the *Marescotti* of *Boulonia*, died above thirty five years of age, neer fifteen years since, in the City of *Paris*. It is a History worthy of Record, and that all the World should take notice of this incomparable Person, as that great Wit and polite Philosopher Monsieur Sorbriere do's describe him: For as much (sayes he) as it seems to be a very great reproch, that neither *Prince*, nor *State* have hitherto had the consideration, or the courage to undertake, what one particular person alone did resolve upon for the universal benefit, and good of the publick: For it was upon this designe, that he engaged himself

ex-

expressly, making the most exact observations, and collecting the *Crayons, Prints, Designes, Models* and faithful *Copies* of whatsoever could be encountered through the whole *Circle* of the *Arts* and *Sciences*; the *Laws*, and the *Customs* practised wherever he arived. He had already acquired by study a thousand worthy and curious particulars; He *Design'd* excellently well, understood the *Mathematicks*; had penetrated into the most curious parts of *Medicine*, and was yet so far from the least *pedantry*; that he would (when so dispos'd) play the *Gallant* as handsomely as any man, and which he was indeed able to do, enjoying a plentiful *Revenue* of neer three thousand pounds sterling a year, which he ordered to be paid him by *Bills of Exchange*, wheresoever
his

his Curiosity should invite him. But otherwise, truly his Equipage was very simple, and his train reduced to one only servant, which he was wont to take in every town where he made any stay. He had already visited *Italy, Germany, Poland, Swethen, Denmarke, Holland and England*, from whence he came into *France*, to go into *Spain*. Finally, he arrived at *Paris* in *Anno 1645*. with one *Bourdoni* a *Sculptor*, dwelling near the *Thuyleries*, where he no sooner appear'd, but he was immediately found out, and known by all the *Virtuosi*, and as soon inform'd himself of all that were extraordinary, and conspicuous for all sorts of curiosities, whereof he carefully took notice; but especially he made an intimate acquaintance with one *Monsieur Petit*, a very rare and
curi-

curious person, and indeed greatly resembling the *Genius* of this noble Gentleman, as being one, who for these fifty years past, discover'd a wonderful ardor for the *Sciences*, and a dilligence so indefatigable in the research of all estimable, and worthy Inventions, as that it is a thousand pitties (and a thing not to be conceived indeed without infinite regrette) that this *Age* of ours could never yet approach him. So laudable and worthy of praise, has his expenses been upon divers *Machines* and *Experiments*, beyond the forces of a Private Person; that had he but been supported (as at first he was by the *French King*, and the great *Cardinal de Richlieu*, under whom he enjoyed divers honourable and handsome Employments) he had perhaps, amongst all the

Arts

Arts through which he run, found out some *Abridgements* and *Perfections*, new, and altogether stupendious; and as indeed, he has already done to admiration, so far at least, as his discretion, and his Affairs would give him leave.

But to returne to our new *Democritus*, *Signor Favi*; He had made provision of sundry huge *Volumes*, which were no other then the *Designes* of all sorts of *Instruments* and *Machines* that he had seen and perused; besides a world more which he had sent away into *Italy*: For this curious person neglected nothing, but went on collecting with a most insuperable dilligence, all that the *Mechanicks* had invented for *Agriculture*, *Architecture*, and the *Fabrick* of all sorts of *Works*, belonging to *Sports*, and to *Cloathes*,
for

for Use and for Magnificence. There was nothing so small, and to appearance, trifling, which he did not cast his eyes upon, and which he had not some hand in, or improv'd, even to the least *minutiæ*; whither it were a device of some *Haspe*, the *Latch* of a door, a simple *Lock*, the *Cover* or *Patin* of a *Cup*, a *Dress*, &c. even to a very *Tooth-picker*: so as he shewed no less than two hundred *Toyes* for Children to play withall: fourty several wayes of *Plowing* the ground, a world of *Forges* and *Mills* for various uses. He visited all the excellent *Workemen* and *Artisans*, and took *Samples*, and *Patterns* of all their rare inventions, and something of their making. Then for *Receits* and *Secrets*, he possess'd an infinite number of all kinds the most rare and excellent; some

Let not
the Reader
despise this
condescension
of so
great a
person; for
--- inest
sua gratia
parvis:

some whereof he purchas'd at great
prices, and others he procur'd by
Exchange. He learned the *Tongues*
wherever he came with extraordi-
nary felicity, and sometimes would
frequent the *Recreations*, and *Ex-
ercises* of the places where he so-
journed, which he us'd to per-
forme with a facillity, and ad-
dress so gentile, and natural, as if
he had yet been but a very Youth:
For by this means he found, that he
gained the easier, and more free
accesse into the best Companies, so
extreamely noble, disintres'd and
agreable was his fashion and man-
ner of conversation: And though
in sundry Encounters, and Courts
of Princes he had been frequently
regal'd with very considerable pre-
sents; yet would he never receive
any from great Persons; as *Chains*
of *Gold*, and *Medailles*, *Diamonds*
and *Jewels* that were offer'd him,
un-

unless happily, it were some *Title of Honour* and *Prerogative*; as the permission to bear an *Eagle*, or a *Fleur de lis* in his *Coat of Armes*, or the like: And when he had thus exhausted a *Kingdom*, or a *Place* of all that was *Curious*, and made *Acquaintance* with all the *Persons of merit* in a *State*, he travell'd presently into another; so as there was hardly a *Court* to be found, where he had not finished his harvest in three or four months, till he arriv'd at *Paris*, where indeed, he was infinitely surpriz'd, and busied among such an innumerable many of able, and curious *Persons* of all kinds. He had four *Lodgings* in several parts of *Paris*, that so he might be neer a retreat in whatsoever quarter he should happen to be in pursuite of *Curiosities*; for he us'd to go much on *foot*, and *alone*; because he would

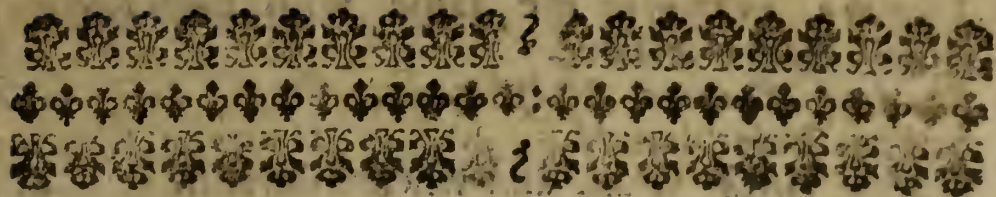
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not be troubl'd, nor observ'd by impertinent Servants: But in fine, purposing from hence to travell shortly for *China* by means of the *Portugal*, he took so much pains about describing, and observing the magnificent preparations which were made for the *Marriage* of the *Queen of Poland*, that he fell sick of a *Fever* and dyed, to the universall regret and sorrow of all that had ever so much as heard of him. And no sooner d.d this sad accident come to the ears of the *King*; but he sent diligently to search out all his four Lodgings, to see, if by any means, ought of his *Collection* could be retri'd; but they were all immediately dispers'd, and it was never found what became of them.

The *Count Marescotti* his Kinsman, then at *Paris*, recover'd on-
b ly

ly that single *Volume*, wherein was contained the *Names, Armes, and Devises* of the hands of all the *Princes of Europe*, whom he had had the honour to approach: But his intention was, as I have been credibly inform'd by one that did often converse with him (though *Monfieur Sorbier* is silent of it) after he had traveld over all the *World* (for his designe was no lesse ample) at Returne into his *Native Country*, to compile, and publish a *Compleat Cycle and Hystory of Trades*, with whatsoever else he should judge of Use and Benefit to mankind: But this had been a *Charity*, and a *Blessing* too great for the *World*; because it do's not depart from its *Vices*, and *impertinencies*, and cherish such *Persons*, and the *Virtues* which should render it worthy of them.

THE



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ERRATA.

PAge 2. line 9. read *Paradigmatische*, 8. l. 7. *ξυσίπ*, 19. l. 15. *Scarrifying*, 20. l. 11. *ὄυχ τῶν*, 13. *συγγραμῆς*, 32. l. 11. *ἰδίῳ*, 33. l. 7. *All Pictures*, 35. l. 9. *Typography*, 50. l. 28. *Dallila*, 51. l. 1. *Læocoon*, 54. 28. fore, 64. l. 18. stories, 78. 21. r. those things of *dele* which, 82. 13. *Rob. Stapleton*, 117. 1. *Cornices*, 119. ult. ply.

Note that in p. 99. l. 4. *Loggan* should have been placed among the Dutch Gravers: The rest are only literal mistakes, as *Coppy* for *Copy*, &c. which do not at all impeach the sense; and are therefore the more pardonable.

Authors, and Books which have been consulted for this Treatise.

<i>Ælianus.</i>	<i>Horatius.</i>	<i>Prudencius.</i>
<i>Angelus Roccha.</i>	<i>Josephus.</i>	<i>Quintilianus.</i>
<i>Aquinas.</i>	<i>Junius F.</i>	<i>Ruens.</i>
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<i>S Augustinus.</i>	<i>Kerkerus.</i>	<i>Salmasius.</i>
<i>Ausonius.</i>	<i>Læci.</i>	<i>Scaliger Jos.</i>
<i>Baprista Alberti.</i>	<i>Lætus Pompon.</i>	<i>Semedo.</i>
<i>Biblia Sacra.</i>	<i>Læon Alberti.</i>	<i>Seneca.</i>
<i>Bibliander.</i>	<i>Libavius.</i>	<i>Solinus.</i>
<i>Bosse A.</i>	<i>Licetas.</i>	<i>Stattius.</i>
<i>Canipavius.</i>	<i>Littleton Adam.</i>	<i>Suetonius.</i>
<i>Cassianus.</i>	<i>Livius.</i>	<i>Suidas.</i>
<i>Cal Rhodoginus.</i>	<i>Lubinus.</i>	<i>Tacitus.</i>
<i>Cedrenus.</i>	<i>Lucanus.</i>	<i>Tatianus.</i>
<i>Cicero.</i>	<i>Luithprandus.</i>	<i>Tertullianus.</i>
<i>Commenius.</i>	<i>Maimonides.</i>	<i>Theocritus.</i>
<i>Crinitus.</i>	<i>Manutius.</i>	<i>Trallianus.</i>
<i>Curtius.</i>	<i>Marolles.</i>	<i>Trismegistus.</i>
<i>Cyprianus.</i>	<i>Martialis.</i>	<i>Thucydides.</i>
<i>Diodorus.</i>	<i>Naxianzen Greg.</i>	<i>Varenius.</i>
<i>Diomedes.</i>	<i>Origines.</i>	<i>Varro.</i>
<i>Donatellus.</i>	<i>Ovidius.</i>	<i>Vassari.</i>
<i>Durer.</i>	<i>Pancirolla.</i>	<i>Vatablus.</i>
<i>Epiphanius.</i>	<i>Petronius.</i>	<i>Vermander Car.</i>
<i>Eusebius.</i>	<i>Philo.</i>	<i>Verulamius.</i>
<i>Gaffarell.</i>	<i>Philostratus.</i>	<i>Virgilius.</i>
<i>Galenus.</i>	<i>Picus Mirand.</i>	<i>Vitruvius.</i>
<i>Gorleus.</i>	<i>Pietro Santo.</i>	<i>Vopiscus.</i>
<i>Guaricus Pompo.</i>	<i>Plato.</i>	<i>Vosius.</i>
<i>Greuter.</i>	<i>Plinius.</i>	<i>Woolson.</i>
<i>Herodotus.</i>	<i>Plutarchus.</i>	<i>Wormius.</i>
<i>Hesiodus.</i>	<i>Du Pois.</i>	<i>Sir H. Wotton.</i>
<i>Homerus.</i>	<i>Pollux Jul.</i>	

SCULPTURA,

Or the

HISTORY and ART,

OF

Chalcography.

BOOK I.

CHAP. I

Of Sculpture, how deriv'd, and distinguish'd, with the Styles, and Instruments belonging to it.

THose who have most refined, and criticiz'd upon *Technical* notions, seem to distinguish what we commonly name *Sculpture* into three several Arts; and, to attribute specifical differences to them all; For there is, besides *Scul-*

B

ptura

Lib. I.
L. 3. c. 21.

ptura (as it relates to *Chalcography*) *Scalptura* (so *Diomedes*) and *Calatura*; both which, according to *Quintilian*, differ from the first *ratione materiae*. For to make but a brief enumeration only: It was apply'd to several things; as to working in Wood, or Ivory, *Tomice*, the Artists, *Defectores*: in Clay, *Plastice*, *Plastæ*: in Playster *Paradigmatice*, the Workmen *Gypsochi*. In Stone cutting *Colaptice*, the Artists *Lithoxoi*; and lastly, in Metals *Glyphice*; which again is Two-fold; for if Wax be us'd, *Agogice*; If the Figure be of Cast-work, *Chemice*; *Anaglyphice* when the Image was prominent, *Diaglyphice* when hollow, as in *Seales* and *Intaglia's*; *Encolaptice* when lesse deep, as in plates of *Brasse* for Lawes and Monumental Inscriptions; Then the *Toreutice*; and the *Encaustic* for a kind of Enamel; *Proplastice* forming the future work *ex creta*, or some such matter, as the *Protypus* was of Wax for *Efformation*, and the *Modulus* of wood; not to omit the ancient *Diatretice*, which seems to have been a work upon *Chrystal*, and the *Calices Diatreti* (of which somewhere the Poet *Martial*) whether emboss'd or engraven, as now with the point of a *Diamond*, &c. for I can onely name them briefly, the field would

Cal. Ro-
dig. Antiq.
Lect l. 29.
c. 24.

be too luxurious to discourse upon them severally, and as they rather concern the *Statuary Art*, *Fusile* and *Plastic* head, which would serve better to adorne some designe of *Architecture*, or merit an expresse Treatise, than become the present, which does only touch the *Metalls*, and such other materials as had not the Figure finished through all its dimensions; though we might yet safely I think admit some of the Greek *Anaglyptic's*: *Argentum asperum* & *pustulatum*, and, as the *Latines* terme it, *Ebur pingue*: for so the Poet, *Expositumque altè pingue poposcit ebur*, &c. *Manutius* calls them *Dimidiæ eminentiæ*, and the *Italians* do well interpret by *Basso* and *Mezzo Relievo*; hence the Figure is said *Stare*, or *exstare*: for so *Mart. Stat Caper*, and *Juvenal*, *stantem extra pocula caprum*. As from the similitude, and perfection of the work, *Vivere*, *Spirare*, *calere*, it seemed to breath, and be living, as *Virgil* expresses it,

Excudent alii spirantia mollius æra.

And *Horace*, ————— *Et ungues*
Exprimet, & molles imitabitur ære capillos.

Ludit Acidalio sed non manus aspera nodo
Candida non tacitâ respondet imagine Lygdos.

as *Martial*.

For in this manner they us'd to celebrate those rare pieces of Art, distinct from the

Diaglyphice, and *Encolaptic* more properly according with our purpose; and which may happily be as well express'd by *Cælatura*, and from the signification made a derivative ἀπο τῆς οὐάωτεν to dig, or make incision. I think *Varro* may have *Scaptus* for *Cælatus*; as *Cicero Scalptus*, and *Plinie, Scalpturatus*; yet we rather follow them who derive *Scalpo, Sculpo*, from γλάφω and γλύφω; because the best Origination is to preserve the foundation in the antienter Languages, if the mutation of Letters be warranted, as here in γράφω *Scribo*. The word in the Holy tongue פתח which imports an opening (because the Plate, Stone or whatever else material they us'd *aperitur aliquâ sui parte*, was somewhere opened when any thing is engraven upon it) attests rather to the former *Etymon*, and signification, then to any other material affinity; besides that 'tis also transferrable to those who carve with the cheezil, or work in *Bosse* with the *Puntion*, as our *Statuaries, Goldsmiths* and *Repairers* do. In the *Glosse* we meet with *Cælum* τὸ γυῖον &c. which though some admit not, so freely in this sense; yet *Martial*, speaking of Emboss'd *Cups*, more then once calls them *Toreumata*.

Lib. 8.

Miratus fueris cum prisca Toreumata multum.

And

And why may not the *Tori*, *Brawn*, or *Collops* of fat be express'd by these raised Figures; and they *Torosæ* plump, and (as the *French* has it) *en bon point*, as well as *Fusil* and *Fictile* ones? Some round *Cheezil* or *Lathe* perhaps it was; but we dare only conjecture: Others *Cœlum a Cœdo*, which is to beat, strike, cut or dig; but by what parallel authority of such a derivative, we know not: *Varro* yet *e Cœlo*, Heaven it self, reaching its Original from the very stars. *V arro l. 4 de L. L.*

Χοιλῶ is another more consonant and harmonious with the antient ἕρη *Kalanh*, which imports to excavate and make hollow as it is frequently interpreted, particularly, *1 Reg. 6. 32, 35.* where, what the *Vulgar Latine* renders *Sculpfit*; *Vatablus* makes *Cœlavit*, and *Junius Incidit*, best of all corresponding with our purpose; and so in the famous wrought shield which *Ulysses* purchased by his Eloquence, *Quintilian* applies the word, *Lib. 2. c. 18*

In Cœlatura clipei Achillis, ἔλites sunt ἑαδῖνες: For so it seems to have been much used on their Harnesse; *Livy* reports of two famous Armies so represented: Or as more allusive yet to our plate, where 'tis said, *Liu. hist. l. 9.*

Cœlatura rumpit tenuem Lamixam, if the question be not rather, whither these works, like the *Ancafa Vasa*, were not rais'd and emboss'd

bofs'd, those expressions of *Plinie* so much favouring their Eminency, where he tells us, speaking of this very Art, *ita exolevit, ut sola jam vetustate censeatur usque adeo attritis calaturis, ne figura discerni possit*, time and age had so greatly defac'd them.

But, may this suffice for the Division, and Denomination of the *Art* in general; since the *Title* which we have made choice of, is Universally applicable: for so *loquendi consuetudine* in ordinary discourse *Sculptura*, and *Scalptura* import but one, and the same thing, as *Salmasius* has well noted on *Solinus*; and therefore those who wrought any of these hollow cut-works, were by some call'd *Cavatores*, and *Graphatores*, says that Learned Person; whence doubtless, our *Gravers* may have deriv'd their Appellation.

By this then it will not be difficult for any to define what the Art it self is; whether consider'd in the most general and comprehensive acceptation; or, as it concerns that of *Chalcography* chiefly, and such as have most Affinity with it; since (as well as the rest) it may be describ'd to be an *Art* which takes away all that is superfluous of the Subject matter, reducing it to that *Forme* or *Body*, which was design'd in the *Idea*

Idéa of the Artist. And this, as sufficiently Universal; unless in favour of the *Plastic* (which yet does not come under our Cognizance) we will rather receive the distinction which *Michael Angelo* was us'd to observe between them, That this last was made by *Apposition*, which is the quite contrary. But indeed, neither the *Paradigmatic*, *Agogic*, or any of the *Plastic*, can Genuinely, and in Propriety of speech be call'd *Sculpture*, without a *Catachresis* and some Violence; since, *nullum simile est idem*, whether applied to the *Matter*, or the *Tools*. And now we speak of *Instruments*, we shall find that there has been little less controversie amongst the *Grammarians*, touching them also, then concerning the very *Art* it self: As whether the *γλύφιον* *Style*, or *Scalprum* is to be call'd *Cælum*, *Cæles*, or *Cætes*; noted by the *Critics* from that Text in 19. *Job.* *Quis mihi det, ut exarentur in Libro Stylo ferreo, aut plumbi Lamina, vel Cælte sculptur in Silice?* (where by the way, 'tis observ'd, that this verse comprehends, and alludes to, almost all the sorts of antient Writing and Engraving: *Books*, *Plates*, *Stone*, and *Stile*) and from an old Inscription out of *Aldus*, and *Greuter.* *Martial*, *Ausonius*, and the Poet *Statius* use *Cælum* frequently.

-----Laboriferi vivunt quæ marmora Cælo,
 Sylv. l. 4: Praxitelis, &c.-----

but we will be sparing. γλυφίς, γλυφῆιον, γλύφα-
 νον as Junius: Also ἔγκολαπτήρ, ὑπαγωγύς, λαξου-
 τήριον as much as σιδῆριον λιθεργόν; so is
 γλαρίς and λαῖον in Pollux. Scalprum, is κοπῆς
 ἔκκυσήρ with the same Junius, Graphium;
 Lastly, Stylus γραφῆιον, σὺλϙ, σμίλη, in Sui-
 das, ἐγκεντεῖς the same Pollux; call them
 Point, Stile, Graver, Pundion, Polisher, or
 what else you please, we will contend no
 farther about it; For these Instruments (as
 despicable as they appear) have sometimes
 proved fatal and dangerous Weapons; as
 the blessed Cassianus found by sad experi-
 ence, whose cruel Martyrdom with these
 Stiles is gloriously celebrated by Prudentius,
 πῶδ. σεφάνων Hymn. ix. And thus was also
 Erixion slain, for his unnatural affection,
 by the enraged People, with other exam-
 ples to be produc'd out of Seneca, Plutarch,
 Sueton, and others: For, when upon sever-
 al of those disorders, σιδηροφορεῖν (or
 the carrying about them any Weapons of
 Iron) was made Capital; they did mis-
 chief with these Instruments, till like Chil-
 drens knives, they were converted into
 Bone, which did only serve them to write
 with;

withall, and *Arare campum cereum*, to plough up their Superinduced *Tables*, and *Cerei Pugillares*; not much unlike to our *Etching* with points, and Needles on the Vernish, in Shape, and use resembling them, save where the obtuser end was made more deletive, apt to put out, and obliterate, when they would *Stylum vertere*, which our *Burnisher* (another Tool us'd by *Chalcographers*) and *Polisher* performs. But to descend to the modern names both of the *Art* and *Instrument*: the *French* call it in particular *Taille douce*, Sweet, or tender cut; whether wrought with the *Burin* (for so they term the Instrument which we the *Graver*) or, with *Aqua Fortis*. The *Italians*, *Intaglia*, or *stamp*, without Adjunct, and *Bolio*, which is doubtless the more antient and warantable, as prompting the use both of the *Point*, *Needle*, and *Etching* in *A. Fortis*, by some so happily executed, as hardly to be discern'd from the *Bolio*, or *Graver* it self: But the main difference is this, That with the *Burine* one cuts the peice all at once out of the *plate*, immediately; whereas, with the *point*, or *style*, we only cut the *Vernish*, razing, and *Scalping* as it were, the Superficies of the *Plate* a little, which afterwards the *A. F.* corrodes and finishes:

A rare Invention, new, expeditious, and wholly unknown to the past Antiquity. *Burine* then from *Bolino*; and why not? yea doubtless, this from βῆλα the Modern name of a *Seal*, and Instrument of making *Seals*. To this we might also add ὄρνι, *Cheret*: And we find *Charasch*, and *Charath* of the same import with χαργάσω and χαργάτω in the *Greek*, as Mr. *Adam Littleton* has acutely observ'd in his *Complexion of Roots*: But least too much of this *Stuffe* should (as *Theocritus* on another occasion) stiles it, γλυφάνε προσόζειν *smell of the Burine*; we will here make an end with hard names, the *Pedantrie* and various acceptions of the words; and in the Chapters following endeavour to investigate the *Original* of the *Art* it self, and discourse somewhat of the *Progress* it has made, to arrive at this perfection: For it is not to shew how diligently we have weeded the *Calepines*, and *Lexicons* (amongst all which there is none over fertill upon these *Arts*, or so well furnish'd as we could have wish'd) but the result of much diligent collection, produc'd out of sundry *Authors* to meet in this *Chapter*, for the ease, and instruction of such as may possibly encounter with difficulties in the *Course* of their reading such books

books as treat of the *Mechanical* or more *Liberal* Subjects ; And, that there might be nothing of deficient as to our *Institution*, seeing it behoov'd him that would deduce an *History ab origine*, to let nothing escape that was in the least or usefull, or instructive.

CAP. II.

Of the Original of sculpture in general.

WE shall not with *Epigenes* in *Pliny*, L. 7. c. 6. depose that this Art had its being from Eternity ; because it is not sence, and would contradict its invention ; but, if that may passe which *St. Augustine* affirmes, that the *Protoplast* our Father *Adam*, or (as others) his good *Genius* the *Angel Raziël*, were the first inventor of Letters, *Sculpture* may derive its Pedegree from the infancy of the World, and contend for its Pre-eminence with most of the Antiquities which it so much celebrates. For, that there went several books about (some whereof had been long since read in the *Primitive Church*) bearing his venerable Name ; as that which *Epiphanius* and others cite ;

L. 18. de
Civit.
Dei. c. 38.

ex libro Behu, de Pœnitentia Adæ, Adæ Re-
velatio, &c. we have no reason to contra-
 dict: And *Tho. Aquinas* in his Treatise *De*
ente & essentia, speaks of a Volume of
 Plants described by *Adam*; and there are
 Traditions of a whole *Natural History*, with
 several other works of this most Learned
 of all Men living, as *Suidas* doubts not to
 call him; nor do we think that his unhappy
 Fall did so much concern his rare and infus'd
 Habits, as not to leave him the most accom-
 plish'd, and perfectly instructed in all those
 Arts, which were so highly necessary, and
 therefore thus early invented; though
 whither these Books of his were so mira-
 culously found out, and preserv'd by the re-
 nowned *Trismegistus*, we leave to the more
 credulous: But that *Letters*, and consequent-
 ly *Sculpture*, was long before the *Flood*, we
 make no scruple of: *Suidas*, whom but now
 we mention'd, is peremptory, ascribing (as
 was affirm'd) both *Letters*, and all the rest
 of the *sciences* to *Adam* τὰς πάντα ἐυρήμαται
 &c. We shall not add hereunto, what
 the *Rabbins* assert he compos'd of the præ-
 cepts given him in *Paradise*, with the like
 trash; but pass from these conjectures to
 others of the *Antediluvian Patriarchs* men-
 tion'd

tion'd by *Josephus*, *Cedrenus* and some other Authors, concerning the *Sculptures* in *Stone*, and *Brick*, erected at *Foppa*, containing (as some depose) the *Sideral*, and *Celestial Sciences*, prooffe against the two most devouring and subverting Elements, and lasting some thousands of years after the *Universal Cataclysm*. The *Æthiopians* are said at this day to glory much in possessing the Books of *Seth* and *Enoch*, as those who have lately written of the *Abyssines* relate. *Origen*, *St. Augustine*, and *Hierom* have likewise made honourable mention of them; and *Tertullian* plainly reproves those who (in his time) thought they could not be preserved; *Noah*, being himself one of the great Nephews of *Seth*; and the probability that these Antient Men of renown, would transmit to Posterity the glorious Actions and Achievements which they had perform'd; especially *Cham* (that is *Zoroaster*) a Spirit so Universally curious, and flourishing above an hundred years before this publick Calamity. But to apply this to the honour now of *Chalcography*, and justify our design; The Author of the *Scholastical History* upon *Genesis* speaks of this *Zoroasters* engraving the *Liberal Arts* on fourteen Columns, seven whereof he affirms

*Tertul. de
habit. mu-
lier.*

Apud
Cassia-
rum.

to have been of Brasse, and the rest of Brick; The same is also reported by *Serenus*, where he adds *diversorum Metallorum Laminis*, together with some other *Inscriptions* thus preserved, and which the noble and learned Earl of *Mirandula* in a certain *Epistle* of his to *Marsilius Ficinus* boasts to have the possession of: His words are these, *Chaldaici hi Libri sunt, si Libri sunt, & non Thesauri: Audi inscriptiones: Patris Ezræ, Zoroastris, & Melchior Magorum oracula. In quibus, & illa quoque, quæ apud Græcos mendosa, & mutila circumferuntur, leguntur integra & absoluta, &c.* The Books (saith *Picus*) if books it be lawful to call them, and not rather most inestimable Treasures, are all in the *Chaldy* tongue: Observe their Titles: The Oracles of those famous *Magi*, *Ezra*, *Zoroaster* and *Melchior*; in which those particulars also which have been carried about by the *Greeks*, maim'd and miserably corrupted, are here to be read perfect and intire.

Concerning the *Art of Sculpture* immediately after the *Flood*, there are few we suppose make any considerable question, as that it might not be propagated by *Noah* to his posterity; though some there be, that indeed admit of none before *Moses*; but what then shall we think of that *Book of the Warrs*
of

of the Lord, which this sacred Author mentions *Num. 21* ? not to insist upon the 88. and 109. *Psalms*, by many ascrib'd to some of the Patriarchs his Predecessours. The above mention'd *Mercurius Trismegistus*, three hundred years after the Flood, and long before *Moses*, engrav'd his secret, and Mysterious things in *Stone*, as himself reports; reforming what had been depraved by the wicked *Cham*; some in Letters, some in *Figures* and *Enigmatical Characters*; such happily, as were those contain'd in the magnificent, and stupendious *Obelisks* erected by *Misra* the first *Egyptian Pharoah*, which being at least four hundred years before *Moses* (as the most indefatigable *Kirker* has computed) does greatly pre-
 sage their Antiquity to have been before that
 holy Prophet. But not to put too much
 stresse upon superannuated *Tradition*, this
 we are sure is of *Faith*, and without contro-
 versy; That in *Moses* we have the *Tables of
 stone*, engraven by the *Finger of GOD* him-
 self; where the commandment is expresse,
 even against the abuse of this very *Art*, as
 well as an instance of the Antiquity of Ido-
 latriy attesting that of *Sculpture*: THOU
 SHALT NOT MAKE TO THY SELF
 ANY GRAVEN IMAGE. But this which

*Obelisk
 Pham-
 phil:*

Exod. 20.

is

is indeed the first writing that we have *Scripture* to vouch for, do's yet presuppose *Engraving* to have been of much greater Antiquity: What else were the *Teraphim*? What the *Penates* of *Laban* stolen by *Rachel*? The Idols of *Terah*? or the *Ægyptian*? &c. But we forbear to expatiate, onely that which is by *Ben. Syrac* somewhere in *Ecclesiasticus* delivered, that the Original of *Idolatry* was from images to preserve the memory of the Dead; as in proceſſe of time by the Flatterers of great men it was turn'd to be an object of Adoration, plainly inferrs, *Graving* to have been Elder then *Idolatry*.

Se Sap.c.
14.

But now to recover its esteem again beyond all prejudice (how ever by others abus'd as indeed many of the best things have been) it was (we know) imputed for a spiritual talent in *Bezaleel* and *Aholiab*, who made *Intaglias* to adorne the High Priests *Pectoral*. And we have said how the *Ægyptians* revered it, as seeming to have us'd it before *Letters*; or rather their *Hieroglyphics* (importing sacred Sculpture) were those *Elements* by which they transmitted to posterity what they esteem'd most worthy of Record; and not (as some have imagin'd) wrap'd up in those *Enigmatical Figures*

31. Exod.

gures, the secrets of their Arts both Divine and Secular : For

Nondum Flumineas Memphis contexere biblos Lucanus
lib. 3.
Noverat; & Saxis tantum volucrisque fereque,
Sculptaque servabant magicas animalia Linguas.

whence *Tacitus* calls them *Antiquissima monumenta memoriae humanae impressa Saxis*. Such as were also the *Horapollinis nota*, and all those other venerable Antiquities of this nature transported to Rome out of *Ægypt*, in no less than two and forty prodigious *Obelisc's*, of late interpreted by the industrious *Kirker* before cited. *Suidas* attributes the invention to the *Father of the faithful*; others to *Theut* or *Hermes*, some to *Cadmus* and the *Phœnicians*. *Bibliander* will have Letters and Sculpture from *Adam*; *Josephus* from *Henoch*; *Philo*, from *Abraham*; *Eusebius* from *Moses*; *Cyprian* from *Saturne*, where, by the way; because 'tis said he did *Litteras imprimere*, *Peter Calaber* (who much affects to call himself *Pomponius Letus*) foolishly deduces, that even the *Typographical* Vossius in
Art. Hist. Art was known in the Age of this *Hero*; but thence (as we said) it descended to the *Ægyptians* by *Misraim*, and so was communicated to the *Persians*, *Medes* and *Assyrians*,
C thence

thence to the *Greeks*, and finally, to the *Romans* from whom it was deriv'd to us, as *Peter Crinitus* in his 17th. book *de Honestâ Disciplina*,
 Cap. 1. out of a very antient MSS. *Bibliotheca septimiana* seems to deduce, and thus summe them up together.

Moyſes primus Hebraicas exaravit Literas.
Mente Phœnices Sagaci condiderunt Atticas.
Quas Latini ſcriptitamus, edidit Niçoſtrata.
Abraham Syras, & idem repperit Chaldaicas.
Iſis arte non minore, protulit Ægyptiacas.
Gulſila promſit Getarum, quas videmus Literas.

Now, should all this but relate to the several Characters only, it shall yet serve our purpose; since whoever was the inventor of Letters, was also doubtless the Father of Sculpture, as is apparent, if not by the former columns erected by Seth (one whereof *Angelus Roccha* in his *Bibliotheca Vaticana* presumes to have been of Brasse) by several other instances; the writing with Ink, in Paper or Parchment, being altogether a novelty in comparison to the more antient formes and materials, such as were the *Slit-stones*, or *Slates* which succeeded the stately *marbles*, and preceded the thinner leaves of *Bark*, and *Tablets* of Wood; which from the
 Ger-

German Bucher, signifying the *Fagus* or Beech-tree, (whose Fruit do's still with us retain the name of *Buch-mast*) were called *Books*, to whatever voluble or folding matter applyed : For before the invention of *Paper*, they us'd the leaves of *Palmes*, as *Varro de Sibylla* : then the *Rinds* of Trees ; afterwards sheets of *Lead*, *Linnen*, *Wax*, and *Ivory*, as *Plinie* and *Vopiscus* tell us ; They writ in *Silk* amongst the *Persians* and *Chineses* ; and lastly, were invented *Parchment* and *Paper*. But whether in all these, or whatever the Subject were (some few latter excepted) it was still by *Insculping*, *Scarrifing*, and making a kind of *Incision* into it ; especially intending to consign to posterity their Lawes, divine and humane ; *Roman*, *Aegyptian*, or *Hebrew* : For so of Old

-----*Verba minantia fixo*
Aere ligabantur.

Metam. I.

according to the *Poet*. Thus were the *Hieronicae* preserv'd in the Temple of *Olympian Jove*, and the *Roman Consuls* in the *Capitol* ; and as by those innumerable *Inscriptions* of irrefragable, and undeniable *Antiquitie* do's appear.

We have already computed how probable it is, that *Sculpture* was in use in *Agypt* somewhat before, or at least as soon as the Patriarch *Abraham* set his foot there : But the lesse discerning *Greeks* who receiv'd it from the *Aegyptians*, could tell us of no writings of theirs extant before *Homer*, if we will give ear to *Josephus*, before that of *Tatian* (a learned *Assyrian*, and contemporary with *Justin Martyr*) where he affirms ^{τῶν} οὐ μόνον πρεσβύτερον ἔστιν, ὁ Μουσεῆς ἔτι ἢ τῶ πρό αὐτῶ Συγραφέων, Λίνου, Φιλόμμανος, Θαμύριδος, Ἀμφίωνος Μισαίου, Ὀρφέου, Δημοδόκου, Φιμίου, Σιβύλλης, Ἐπιμνίδου τῶ κριτῶς, ὅς τις τις πῶσπαιρίων ἀφίκετο Ἀργεῖα τῶ προκοινοῖς τῶ τῶ Ἀριμακωῖα συπεράφαντο, Ἀσβόλου τε τῶ κενταύρου καὶ Ἰσάβουλος Δρυμῶνος τε καὶ Ἐυμήλου τῶ κυπρίου, καὶ Ὀρεῶ τῶ Σαμίου, καὶ Πρῶσανθίδου τῶ Ἀδωαίου &c. Where we have no lesse than seventeen *Græcians* nam'd elder than *Homer*. There are also enumerated the names of twenty *Argive* Kings from *Inachus* to *Agamemnon*, which strongly infer's the means of Recording by *Sculpture* and Writing to have been very ancient. For so we read that the Poems of *Hesiod* were engraven in Lead. *Aristotle* mentions *Daphne* a certain Devotresse of *Apollo* :

Sabinus, and *Diodorus* many others. But when, or whoever it were, thence (as we said) it travell'd into *Greece*, that Theater of the Arts, where it soon arriv'd to the supreamest height of perfection; when being applied to the forming of Figures, it was celebrated by all the Witty men of *Those*, and the succeeding Ages. *Homer* tells us of the engraving in the Shield of *Achilles*; *Hesiod* that of *Hercules*; not to mention the *Sculptures* upon the Chariot of the Sun, described by the *Poet*, because it is altogether fictitious, though extremely ingenious, and whence happily they might have their *Vehicula Celata* mention'd by *Q. Curtius*. But whether now these antient and famous pieces were hollow, like those of our *Burine*, or the work of our *Cheezil* and repair'd Embossments, might seem a difficulty to resolve from the frequent interpretations we attributed to the *Verbe* in the former chapter; if what we have here attested concerning the Antiquity of *Letters*, and consequently of flat *incisions*, pronounce not for its preheminance, however this may appear to the more judicious. Add to it, that both *Plastica* (whatever others may fancy) unless we will ascend to the divine figulation of the first breathing *Statue* that was ever form'd

Iliad 3:
Metam. 1.

3.
L. 3. c. 3.

(and with *Pliny*, derive it to be before, and the *Mother of Sculpture*) and the *Anaglyptic Art*, (not produc'd in the World 'till about the time of *Belus*, and the beginning of *Gentilisme*) were not 'till long after the use of *Letters*, if *Enochs Prophecy* were not preserved by unwritten tradition, and the former *Apocryphal Monuments* have other foundation than the *Wit of the Rabbins*, which we can by no means assent to in the generall. Besides, if we apply it to *Intaglia's in Stone, seals, and the like*, for having been almost *coevous* with *Rings* (what was else the *Signet* which *Judah* left with his Daughter *Tamar*?) it questionless derives its *Original* before any *History* at present extant in the World, *Divine or Humane*, was committed to writing: Of which he who has a thirst to satisfy his *Curiosity* farther, may consult *Gorlaus, or Fortun. Licetus de Annulis Antiquorum*; Where also concerning their *Sculpture*, first in *Iron*, then in *Gold*, other *Metals* and *Stones*; and of which might very much be added, both touching their *dignity, signification, and how they came at length to be worne so universally*. Something we might here likewise insert of their *Constellated Figures, or Talisman's*, long since engraven upon certain *Instants and Periods of the Suns* ingresse

39. Gen.
18.

ingresse into such, and such particular signes of the *Zodiac*, treated of by *Francis Ruens* the *Physitian*, *Tralianus*, and *inftar omnium*; by the learned *Gaffarel* at large; but we hasten to that which followes.

CHAP. III.

Of the Reputation and Progresse of Sculpture amongst the Greeks, and Romans down to the middle-ages; with some pretensions to the Invention of Copper-cuts, and their Impressions,

WE have now done with the Original, and will next endeavour to investigate what progress it has made amongst those glorious and universal *Monarchs*, when *Sculpture* and all other noble Arts were in their *Ascendent* and highest reputation; I mean the *Greeks* and the *Romans*; For to the first do's *Herodotus* appropriate the perfection of this art, not admitting it to have arriv'd at the latter till about the time of *Spurius Cassius*, when *Baptist Alberti* ascribes it to his country men the *Tuscans*.

Those who have well survei'd the *Natural History* of *Pliny* will easily commure for

l. 33.c.8.

l. 34.c.12

l. 36.c.6

the Omission, if out of pure indulgence to their eyes only, we forbear the transcribing of at least three or four intire Chapters, industriously bauking those ample and luxurious Fields of *Statues*, as under the *Fusile* and *Plastic* head; because it suites not with our present design and institution: For to passe over the Figures in *Metal*, those of *Gypsum* and other materials; The *Sculptores Marmoris* were so many, and the *Greeks* so extravagantly fond of their works, that at *Rhodes* alone, that small Island, were no lesse than 73000 *Signa*; nor were there fewer at *Athens*, *Olympia*, *Delphi* and several other Cities, whereof whole Armies of them were transferr'd to *Rome*, after *Achaia* had been conquered by *L. Mummius*, at which period the *Greek Arts* began to Rise, and be in such reputation amongst them; and This to so high an excesse, as *Pliny* records of his Age, that there were almost as many *Statues* as *Men*, by a kind of noble contention (sayes Sr. *H. Wotton*) in point of fertility 'twixt *Art* and *Nature*; and which *He*, and my Lord *Bacon* improves to a politique, as well as altogether an expenceful magnificency. It shall then suffice that we be sparing in these Instances, and keep our selves to those workes and *Intaglia's* only, which

Element.
Archite&
Instaurat.
Scient.

which do nearest approach our designs, of which sort maybe esteem'd those ἀποφραγίσματα mention'd by *Pliny*, in which Art that famous *Pyrgoteles* did so excell, as made *Alexander the great* ordain, that none should presume to carve his Effigies save him only; to paint or cast him, besides *Apelles* and *Lysippus*,

*Edicto vetuit, ne quis se, præter Apellem,
Pingeret, aut alius Lysippo duceret æra
Fortis Alexandri vultum simulantia.-----*

*Hor. E-
pist. 2.*

Had *Queen Elizabeth* been thus circumspect, there had not been so many vile copies multiplied from an ill Painting; as being call'd in, and brought to *Essex-house*, did for several years, furnish the *Pastry-men* with *Peels* for the use of their Ovens.

Where
my L.
of *Leicester*
then li-
ved.

We wish the same might please his Majesty, and that none save such as for their excellent talent had particular indulgence, might any more dare to represent his sacred person in *painting*, or *Carving*, then in his *Coine* and *Royal Signature*: For it is seriously a reprochfull thing on'y, to behold how it is profan'd by the hand of so many vile, and wretched Bunglers (they deserve not the name of Workmen) as blush not daily to expose their own shame, in so precious and rever'd a Subject: And that the Heads of
Kings

Kings and *Heros* should be permitted to hang for Signes, among *Cats*, and *Owles*, *Dogs* and *Asses*, at the pleasure of every *Tavern* and *Tippling-house*, we have frequently stood in admiration of: But so did not that of *Alexander*, as we noted; nor would *Augustus* make himself cheaper, than that great Master of his time, *Dioscorides* pleas'd, whom he particularly chose to preserve, and derive his Divine Effigies to the after Ages, and to the honour of his memory, by what he left in those *Signets*, and other Stones which he cut for that renown'd Emperour. Thus Sculpture began to be most eminent in Stones and Gemms, *Auro*, *Argento*, *Ære*, *Ferro*, *Ligno*, *Ebore*, *Marmore*, *Vitro*, &c. As this Author affirms; where discoursing of the famous Works were left by the Masters of note upon record in his time, he seems to ascribe the Invention to one *Dipoenus*, and *Scyllis*; For we shall not here ascend so high as *Prometheus*, or speak much of *Ideocus*, *Eucirapus*, *Lysistratus*, *Demophilus*, *Dedalus*, *Leochares*, *Polycarmus*, *Myrmecides*, and innumerable others: It would be tedious (as we said) to transcribe the names but of the *Peices* only, of all those renowned Men whom he there celebrates for their engravings on

Armour, Cups, Rings, Glass, even to the very *Figulina Vasa celata*, such as *Cotys* brake of purpose, least some other unexpected accident or mischance might put him into Plut. in Apb. beg. passion, as *Plutarch* tells the Story: *Hydria*, and water-pots were thus wrought, and *Pliny* speaks of the Engraving even of *Bread*: 'Tis yet observable, that very few were found who took any pleasure to engrave in *Gold* (as we conceive) being too soft a Metall; but multitudes that wrought in *Silver*; especially, the famous *Mentor*, of whose Work *Varro* affirms he had a piece in his possession, which he infinitely valued; for, it seems, he had never finish'd above eight, which were most of them lost. Two more of his Cups had *L. Crassus* the Orator, priz'd at C. HS. *Confessus est tamen se nunquam his uti, propter verecundiam ausum*; so rich it seems, and magnificent they were, that even this great person professed he never durst make use of them out of pure modesty, and to avoid the censure of being thought too Luxurious: *Martial* describes another, where a *Lizard* was so lively represented, Men were afraid it would bite.

Inserta Phiale Mentoris manu ducta

Lacerta vivit, & timetur argentum.

Next to *Mentor*, was *Acragus*, *Boethus*,
and

and *Mys*, whose Master-piece was expos'd at *Rhodes*; especially those glorious *Vasas*, and Goblets of the *Bacchanalia*, engraven by the foremention'd *Acragus*, and of *Boscage*, *Chases*, and *Hunting*: Famous also were *Calamis*, *Antipater*, and *Stratonicus*, who engraved the *Satyr* Sleeping, a stupendious piece of Art; Then there flourish'd *Tauriseus* of *Cyzicum*, *Aristus*, *Eunicus* both of them *Mitylenians*: Likewise *Hecates*, and the renowned *Praxiteles* about the time of *Pompy*: *Posidonius* of *Ephesus*, and *Ledus* famous for representing of *Battails*, &c. To be brief (for their Works are endless) *Zopirus*, who engrav'd the Court of the *Areopagi* in a Cup, and the trial of *Orestes*: After him lived *Pytheus* and several others too long here to recite. Nor were all these Gravers in flat; but, as we said, in *Relievo* some of them, and more approaching to the *Statuary*; Besides such as were excellent *Medaillists* from *Augustus*, *Caligula*, *Claudius*, *Nero*, *Galba*, &c. down to the Reigns of *Commodus*, and *Pertinax*; for from *Severus* it greatly decay'd, and the most tollerable engravings of the former, lasted but to *Nerva*, the best being those which were cut, and stamped in the time of *Caligula*, *Claudius*, and *Nero*, about which period *Sculpture*

ture beginning to degenerate in Greece, it travell'd and came to Rome now opulent and victorious. But after these, and the formerly recorded by *Pliny*, there were not many who left either Name, or Work famous to Posterity: For, besides that the *Monarchy* was soon broken and disorder'd; the later *Empp.* became less Curious, Rich and Magnificent; so as even in the time of the Great *Constantine* it self, Arts began manifestly to degenerate: But, when afterwards the *Goths* and *Saracens* had broken in upon the *Roman Empire*, and made those horrid devastations, they were in a manner utterly lost; as the Reliques which they left in *Statuary, Sculpture, Architecture, Letters*, and all other good Arts do yet testify. It is true, that the ruder *Danes*, and *Norwegians* had in these times their *Runic* writings, or engraven Letters, as in their *Rimstoc* or *Primstaf*; some square or long piece of board, or Staff, having an *Almanac* carved on it: So they engrav'd their Letters on Bones, either whole, or Sliced, and bound up together, like our *Tallies*; also upon Jaw-bones of the greater Fishes, taken on their Coasts: And *Wormius in Fast. Dan. L. 1. chap. 18.* mentions *Danish Hieroglyphics*, on the Tombs of their old *Hero's*; Lions,

Lyons, Bears, Horses, Dogs, Dragons, Snakes, &c. wrought on the hardest Rocks together with *Runic* Characters ; so as these Nations seldom travell'd without their *Græf*, or *Græf-Sax*, a kind of point or *stileto*, with which they us'd to carve out Letters and other Figures upon occasion ; but it was yet so rude, and their *Gusto* so deprav'd, that they demolish'd, and ruin'd all those goodly fabricks, and excellent Works, wherever they became Masters ; introducing their lame, and wretched manner, in all those Arts which they pretended to restore, even when now they became a little more civiliz'd by the conversation of the more polish'd and flourishing Countries : For it was not any general, and imaginary decay, which some have conceited to be diffus'd upon the universal face of Nature, that the succeeding periods did not emerge, or attain to the excellency of the former Ages, ancient *Masters*, and renowned workes ; but to the universal decay of noble, and heroic *Genius*'s to encourage them. *Priscis enim temporibus (saies Petronius) cum adhuc nuda placeret virtus, Vigebant Artes ingenuae, summumque certamen inter homines erat, ne quid profuturum saeculis diu lateret ; Itaque omnium Herbarum succos Democritus expressit ; &*

Satyr.

ne lapidum Virgultorumque vis lateret, etatem inter experimenta consumpsit : Eudoxus quidem in cacumine excelsissimi montis consenuit, ut Astrorum Calique motus deprehenderet : & Chrysiippus ut ad inventionem sufficeret, ter Helleboro animum deterfit : Verum, ut ad plastas converterar (which comes neareft our instance) Lysippum Statuæ unius lineamentis inherentem inopia exstinxit ; & Myron, qui pene hominum Animas, Ferarumque Ære comprehenderat, non invenit heredem. At nos Vino, scortisque demersi, ne paratas quidem artes audeamus cognoscere ; sed accusatores antiquitatis, Vitiatantum docemus & discimus, &c. He concludes ; Nolito ergo mirari, si pictura defecit, cum omnibus Diis Hominibusque formosior videatur massa Auri, quam quicquid Apelles, Phidiasve, Græculi delirantes fecerunt.

And if thus even in the greatest height and perfection of the Sciences, the eloquent Satyrift could finde just reason to deplore their decadence, and censure the vices of that age ; what shall we say of ours, so miserably declining, and prodigiouſly degenerate ? We want Alexanders, Augustus's, such as Francis the I. Cosimo di Medice, Charles the V. those Fathers, and Mecenas's of the arts, who by their liberality and affection

fection to *Virtue*, may stimulate, and provoke men to gallant exploits; and that being thereby once at their ease from the penurie, and necessities which depresse the noblest mindes, they might work for glory, and not for those trifling and illiberal rewards, which hardly would find them bread, should they employ but half that time upon their studies, which were requisite to bring their labours to the supremest perfection; since according to that saying, ἅδὲ τῶν μεγάλων ἀφνω γίνεται *Nothing which is great can be done without leasure*: If a quarter of that which is thrown away upon *Cards, Dice, Dogs, Mistresses*, base and vitious *Gallantries*, and impertinent follies, were employ'd to the encouragement of arts, and promotion of science, how illustrious and magnificent would that age be; how glorious and infinitely happy? We complain of the times present, 'tis *We* that make them bad; We admire the former, 'tis the effect of our Ignorance only; and which is yet more criminal, in that we have had their examples to instruct, and have made them to reproch us: Pardon this indignation of Ours, O ye that love vertue and cultivate the sciences!

To returne to our Institution again: *Scul-
pture*

pture and Chalcography seem to have been of much antienter date in *China* than with us; where all their writings and printed Records were engraven either on Copper plates or cut in Tablets of Wood, of which some we possess, and have seen more, representing (in all pictures) Landskips, Stories, and the like. *Josephus Scaliger* affirms that our first Letters in *Europe* were thus cut upon Wood, before they invented the *Typos aeneos*; instancing in a certain *Horologium B. Mariae*, which he says he had seen Printed upon Parchment a great while since: But *Semedo* would make the World believe that the foremention'd *Chinezes* have been possess'd of this invention about sixteen hundred years, some others affirm 3700. However, that they were really Masters of it long before us, is universally agreed upon; and is yet in such esteem amongst them, that the very *Artizan* who compounds the Ink for the Presse, is not accounted amongst the *Mechanic* professors; but is dignify'd with a liberal Salary, and particular priviledges. They also engrave upon stone, and imprint with it; but with this difference in the working-off; that the paper being black, the Sculpture remains white. More admirable is that which they at-

Hist Chin.
part. 1.
cap. 7.

test was found in *Mexico*, and other places of the new world; where they *Hieroglyphiz'd* both their Thoughts, Histories and inventions to posterity, not much unlike to the *Egyptians*, though in lesse durable, and permanent matter: The same likewise *Jo. Laet* affirms of the Sculpture among the *Acadia*, and those of *Nova Francia*; so natural (it seems) and useful was this art, even to the least civiliz'd amongst the *Heathens*: And there is indeed nothing at which we more admire, and deplore, then that this facile, and obvious invention; and which would have transmitted to us so many rare and admirable things, was never hit upon among the *Greeks* and inventive *Romans*, who engrav'd so many *Inscriptions* both in *Brasse* and *Marble*; impressed and publish'd so many thousands of *medails*, and *cojnes* as are in the hands and collections of the *Virtuosi*, and the bowels of the Earth, wherever their conquests extended themselves, or Eagles display'd their wings.

CHAP. IV.

Of the invention and progresse of Chalcography in particular ; together with an ample enumeration of the most renowned Masters, and their Workes.

THe Art of *Engraving* and working off, from Plates of Copper, which we call *Prints*, was not yet appearing, or born with us, till about the year 1490. which was near upon 50 years after *Typography* had been found out by *John Gulttemberg* ; or who ever that lucky person were (for 'tis exceedingly controverted) that first produc'd the Invention. There is a collection of antient *Offices* adorned with several *Sculptures* (if so we may terme those wretched Gravings in the infancy of this art) where the *Devil* is but one great blot (as indeed he is the Foulest of the Creation) and the rest of the *Figures Monochroms* as ridiculous and extravagant ; though still as the invention grew older, refining and improving upon it. One of the antientest Gravings which we have seen, to which any mark is appos'd hath M. 3. and

M. C. in one of the corners of the plates ; and it was long that they used the initial letters of their names, only, and sometimes but one ; as in those of *Lucas*. *Allert Duxer* did frequently add the year of the Lord, and his own age from ten to fourteen, &c. performing such things as might shame most of the best Masters, for the true and steady design, the incomparable proportion, and stroke of his Graver : But *Israel*, *Martin Schon*, and the *Todesco* (who is by some surnamed *The Master of the Candlestick*, because of the foulness of his Ink) were of the very first, as far as we can collect, who published any works of this kind under their names, wrought off by the Rolling-Press, and whose slender attempts gave encouragement to those who have succeeded.

George Vasari, who has been exceedingly curious in this enquiry, attributes the first invention of this Art to one *Maso Finiguerra* a *Florentine*, about *anno 1460*, which exceeds our former computation by 30. years ; but then we are to consider by what progress and degrees ; for it was first only in Silver, to fill with a certain *Encaustic* or black *Enamel*, which it seems gave him the first hint how to improve it in plates of brass, which

which having engraved, he did only fume, taking off the impression with a moyſt paper and a Rolling pin. This mean commencement was yet afterwards purſu'd by *Baccio Baldini* a Goldſmith, his Countryman, whoſe works coming to the ſight of *Andrea Mantegna* in Rome, invited that great Painter to give him ſome deſignes of his own for his encouragement; and from thence it travell'd into *Flanders* to one *Martine* of *Antwerp*, whoſe works (as we obſerv'd) were uſually counterſign'd with M. the firſt whereof were the five wiſe and five fooliſh *Virgins*, and a *Crucifix*, which was ſo well cut, that *Gerardo* a *Florentine* Painter would needs copy it: After this he publiſhed his four *Evangelists*, our *Saviour*, and the twelve *Apoſtles*, a *Veronica*, *S. George*, *Chriſt* before *Pilate*, an *affumption* of the *B. Virgin*, one of the rareſt that ever he did; beſides that *St. Antonies temptation*, which was ſo well performed, that *Michael Angelo* (exceedingly raviſhed with it) would needs waſh it over with his own hands.

The next that appeared of note was the formerly mention'd and renowned *Albert Durer*, who flouriſhed about the years 1503. and who had performed wonders both in

Element
of Archi-
tect.

Copper and Wood, had he once fortun'd upon the least notion of that excellent manner, which came afterwards to be in vogue, of giving things their natural distances, and agreeable sweetnesse; the defect of which Sir *H. Wotton* does worthily perstringe both in him, and some others. But to proceed, *Albert* being very young set forth our *Lady*, some designs of *Horses* after the life; the *Prodigal*, *S. Sebastian* in little, a *Nymph* ravished by a *Monster*; a *Woman on Horseback*, *Diana* chastising a *Nymph* who flies to a *Satyr* for protection, in which he discovered his admirable talent and skill in expressing Nudities: A *Country man and Woman* playing on *Bagpipes*, with *Poultry*, &c. about them. *Venus*, or the temptation of the *Stove*; his two *St. Christophers*, rare cuts. After that, he engraved several *Stamps* in *Wood*, proof whereof he gave in the decollation of *St. Jo. Bapt.* with *Herodias*, *Pope Sixtus*, *St. Stephen*, *Lazarus*, *S. George*, a *passion* in great, the last supper, *Christs* apprehension in the *Garden*, descent into *Limbo*, and *Resurrection*, with eight more *Prints* of this subject, which are held to be spurious: All these be published *anno 1510*. The year following, he set forth the life of our *Lady*

Lady in twenty sheets rarely conducted. The *Apocalyps* in fifteen sheets, of which the Painters have made sufficient use ; *Christ* bemoaning our sins ; Then applying himself to grave in Copper again, he published his *Melancholia*, three different *Madonnas*, with thirty pieces besides concerning the *passion*, and which being afterwards imitated by that rare Artist *Marco Antonio* (who had procur'd them at *Venice*) and published for Originals (so exactly it seems they were perform'd) did so inflame *Albert*, that he made a journey to *Venice* expressly to complain of the injury to the *Senate*; and obtain'd at last, that *M. Antonio* should no more be permitted to set his mark or *Plagia*, which was all he could procure of them. Another emulator of *Alberts* was *Lucas van Leyden*, whom at his returne into *Germany* he found had well neer overtaken him for the sweetnesse of his *Burine*, though something inferiour of designe: Such were a *Christ* bearing the *Crosse*, and another of his *Crucifixion*, *Sampson*, *David* on a horse, the *Martyrdome* of *S. Peter*; *Saul*, and *David*, the slaughter of *Goliath*, the famous *Piper*, *Virgil's*, and some other heads, all which works did so inflame his Antagonist *Albert*, that in a laudable revenge,

he publish'd his arm'd *Cavalier* or *Dream*, in which the brightnesse and lustre of the *Armour* and *Horse* is rarely conducted: Then in the year 1512 he set forth six other small stories of the *passion*, which *Lucas* also imitated, though hardly reach'd: Then a *S. George*, *Solomons Idolatry*; the *Baptisme* of our *Lord*, *Pyramus* and *Thisble*, *Ahasuerus* and *Hester*, &c. These again incited *Albert* to publish that *Temperantia*, whom he elevates above the clouds, *S. Eustathius* and the *Hart*, a most incomparable cut; his *Deaths* head in a *Scutcheon*, and several *German Coates* full of rare *Mantlings* and invention. Also *S. Hierom*, a *Christ* and *twelve Apostles* in small: anno 1523. many heads, as that of *Erasmus*, *Cardinal Albert*, the *Imperial Electors*, and his own, with divers other.

Lucas again in emulation of these, set forth his *Joseph* and four *Evangelists*, the *Angels* appearing to *Abraham*; *Susanna*, *David* praying, *Mordecaj* triumphing; *Lot*, the *Creation* of *Adam* and *Eve*; the story of *Cain* and *Abel*, viz. anno 1529. But what procur'd him immortal glory was his great *Crucifix*; *Ecce Homo*, and *Conversion* of *St. Paul*; in which he exceeded himself both for the work and ordinance; the distances

distances being better conducted than *Alberts*, and indeed so well observ'd, as gave light even to some of the best Painters that succeeded him ; so much are they oblig'd to this Art, and to this rare Workman : He grav'd also several *Madona's*, our blessed *Saviour* and *Apostles* ; together with divers *Saints*, *Armes* and *Mantlings*, a *Mountebanc*, and many more.

But to return now into *Italy* from whence we first sallied ; in the time of *Raphael Urbine* flourished the renowned *Marco Antonio*, who grav'd after those incomparable pieces of that famous Painter, to whom he was so dear, that the honour he has done him to posterity will appear, as long as that *School of Raphael* remains in the *Popes Chamber* at the *Vatican*, or any memorial of it lasts ; though to speak truth, even of this rare Graver, the Pieces which he hath published seem to be more estimable yet for the choice and imitation, than for any other perfection of the *Burine* ; as forming most of his figures and touches of too equal force, and by no means well observing the distances, according to the rules of *Perspective*, that tenderness, and as the *Italians* terme it, *Morbidezza*, in the *hatchings*, which is absolutely requisite

to render a piece accomplish'd and without reproch.

We have recited above, what he Copied after *Albert Durer*; But being at *Rome*, and applying himself to *Raphael*, he cut that rare *Lucretia* of his; which he perform'd so much to satisfaction, that divers excellent painters desir'd him to Publish many of their Works: This produc'd *Urbines* Judgment of *Paris*, at which the City was so ravish'd, that they decreed the Golden apple to *Antonio*, before the fair *Goddesse*: Then he set forth the Slaughter of the *Innocents*, *Neptune*, the Rape of *Helena*, all of them of *Raphaels* designing: Also the Martyrdome of *St. Felix* in the boiling Oil, which purchas'd him so much Fame and Credit; but this Excellent Painter would alwayes from that time forewards, have one of his Servants to attend only *M. Antonio's* Rolling-press, and to work off his Plates, which then began to be marked with *R. S.* for *Raphael Sancio*, which was the name of *Urbine*, and with *M. F.* for *Marco Fecit*. Of these there is a *Venus* design'd by *Raphael*, *Abraham* and his Handmaid: After this he grav'd all those round designes painted in the *Vatican* by the same hand; Likewise the *Calliope*,

Calliope, *Providentia*, *Justitia*, the *Muses*, *Apollo*, *Parnassus*, the *Poets*; *Aeneas* and *Anchises*, the famous *Galatea*, all of them after *Raphael*: Also the three *Theological Vertues*, and four *Moral*; *Pax*, *Christ*, and the *Twelve*: Several *Madonas*, *St. Hierome*, *Tobit*, *St. Jo. Baptist*, and divers other *Saints*; besides many prints after the *Cartoons* of *Raphael* which had been design'd to be wrought in *Tapestry* and *Arras*; as the story of *St. Peter*, *Paul*, *Stephen*, *John*, *St. Catharine*, and sundry heads to the life, &c. especially that incomparable one of *Pietro Aretino* the *Poet*: Somethings likewise being sent by *Albert Durer* out of *Germany* to *Raphael*, were upon his recommendation, afterwards cut by *M. Antonio*, together with the *Innocents*, a *Cœnaculum*, and *St. Cecilia's Martyrdom*, of *Raphaels* invention: Then he publish'd his twelve *Apostles* in little, and divers *Saints* for the help of painters; as *St. Hierome*, the naked *Woman*, and the *Lion*, after *Raphael*; *Aurora*; and from the *Antique*, the three *Graces*.

Marco di Ravenna was one of *Antonio's* Schollars, who had also together with *Augustino Venetiano*, the honour to dignifie his gravings with *Raphels Cypher*; though the latter

latter often us'd A. V. his own initial letters; of both their cutting are a *Madona*, with a *Christus mortuus*, and in a large sheet the *B. Virgin* praying, and a *Nativity* in great also: The *Metamorphoses* of *Lycaon*, a *Perfumer*, *Alexander magnus*, and *Roxana*, a *Cena Domini*, the *Annuntiation*, all design'd by *Raphael*; besides these, were set forth two Stories of the Marriage of *Psyche*,; and indeed there was hardly any thing which ever *Raphael* either painted or design'd, but what were graven by one, or both of these Workmen; besides divers other things after *Julio Romano*, viz. all that he painted in *Raphaels Lodge*, or *Gallery* in the *Vatican*; some whereof are signed with M. R. and others with A. V. to shew they had been imitated by others, as was the *Creation*; the *Sacrifice* of *Cain* and *Abel*, *Noah*, *Abraham*; the *Passage* over the *red sea*; The *Promulgation* of the *Law*; the fall of *Manna*, *David* and *Goliath*, which also *M. Antonio* had published before; as likewise the *Temple* of *Solomon*, his *Judgment* on the *Harlots*, the *Queen* of *Saba's* visit, and many other *Histories* collected out of the *Old Testament*, all which were published before *Raphaels* decease: For after that, *Augustino* wrought

wrought with *Baccio Bandinelli*, a sculpter of *Florence*, who caus'd him to grave his *Antonius* and *Cleopatra*, very rare things, with divers other designs; as the slaughter of the Innocents, divers Nudities, and Clad Figures; not to omit those excellent and incomparable Drawings and Paintings of *Andrea del Sarto*, after which he graved; though in the *Christo mortuo* not altogether succeeding so vvell as had been vvished.

But to come again to *Marco Antonio* (because there is not a paper of his to be lost) after *Raphaels* death, did *Julio Romano* publish some of his own designes in print: I say, after his Death; for before, though he were an excellent painter; yet durst he never take the boldness upon him. Such were the *Duel* of Horses, a *Venus* which he had formerly painted: The penance of *Mary Magdalen*, the four *Evangelists* and some *Bassi Relievi*, with many things that *Raphael* had design'd for the *Corridor* of the *Vatican*, and which were afterward retouched by *Tomaso Barlacchi*: VVe will not contaminate this discourse with those twenty vile designes of *Julio* cut by *M. Antonio*, and celebrated with the impure verses of *Peter Aretino*, by which he so dishonour'd this excellent Art,

as well as himself; because it deserved a severer Animadversion and Chastisement than was inflicted upon him for it; though to commute for this Extravagancy, he publish'd the Martyrdome of *S. Laurence*, in which he also reformed those designs of *Baccio Bandinelli*, to the great reputation of the Art of *Chalcography*.

About the same time flourish'd *Giouanni Battista Mantuano*, Disciple of *Giulio Romano*, who publish'd a *Madona*, his armed *Mars* and *Venus*, the burning of *Troy*, an extraordinary piece; his prints are usually sign'd *I. B. M.* Also his three Sheets of *Battails* (cut by some other hand) a *Physician* applying of *Cupping Glasses* to a *Woman*; *Christ's Journey into Egypt*, *Romulus* and *Rhemus*, the *Stories of Pluto, Jupiter* and *Neptune*; the *miseries of Imprisonment*, *Interview of the Armies of Scipio* and *Hanibal*; *St. John Baptists Nativity*, cut by *Sebastiano de Reggio*; all, after *Julio Romano*.

Giorgio Mantuano set forth the *Facciata* of the *Popes Chappel*, *M. Angelos Judgment*, *St. Peters Martyrdome*, the *Conversion of St. Paul*, &c. And some plates were sent abroad about the year 1530. eaten with *Aqua Fortis* after *Parmesano*;

For, as *ab ære, deventum ad Tabulas ceratas* in writing, the use of the *Palimpsestus*, Table books, *Plumbæ lamellæ* and the like; so hapned it also in this Art of *Chalcography*; and Etching with Corrosive waters began by some to be attempted with laudable success, as in this Recital we shall frequently have occasion to remember: But, whether those *Simeters* and *Blades* brought us from *Damascus*, and out of *Syria*, and wrought with these strong waters, might give any light to this expeditious and usefull invention, we are not yet inform'd; and the effect was sufficiently obvious, after that of the *Burine* had been well considered.

Vago de Carpi did things in stamp, which appear'd as tender as any Drawings, and in a new way of *Charo Scuro*, or *Mezzo Tinto* by the help of two plates, exactly *counter-calked*; one serving for the shadow; the other for the heightning; and of this he publish'd a *Sybilla* after *Raphael*, which succeeded so rarely well, that he improv'd the curiosity to three Colours; as his *Aneas* and *Achises*, descent from the Cross, story of *Simon Magnus*, a *David* after the same *Urbis*, and a *Venus* do testify: This occasioned many others to imitate him; as in particular,

Bal-

Baldassare Peruzzi (who graved the *Hercules*, *Parnassus*, the *Muses*) and *Fran- cisco Parmegiano*, who having set out *Di- ogenes* in this guise, a very rare print, in- structed *Antonio di Trento* in the Art, who published his *Peter and Paul in Charo oscuro*, the *Tyburnine Sibyll* and a *Madona*; but none was there who exceeded those of *Beccafumi*; especially, his two *A- postles* in wood, and the *Alchymist* in *Aqua Fortis*.

Fran. Parmegiano (whom we already mention'd) may be esteem'd for one of the first that brought the use of *A. Fortis* into reputation; so tender and gracefull were some of his *Etchings*, as appears in that rare *Descent* of the *Cross*, *Nativity*, and several other pieces.

Baptista Vicentino, and *Del Moro* set forth many curious *Landships*,

Girolamo Cocu the *Liberal Sciences*, &c.

Giacomo del Cavaglio cut many things af- ter *Rosso Fiorentino*, as the *Metamorphosis* of *Saturn* into a *Horse*, the *Rape* of *Porser- pine*, *Antoninus* and the *Swan*; some of the *Herculean Labours*; a book of the *Gods* and their transformations, whereof part are after *Perino del Vaga*; also the *Rape* of the *Sabines*, an incomparable print, had

had it been perfect; but the City of Rome hapning at that time to be in some disorder, the plates were lost: He graved likewise for *Parmegiano* the Espousals of our Lady, and a rare Nativity after *Titian*; not to conceal his admirable talent in cutting of *Onixes*, *Christsals*, and other estimable stones.

Enea Vico de Parma engraved the Rape of *Helena* after old *Rosso*, a *Vulcan* with some *Cupids* about him: *Leda* after *Mich. Angelo*: The *Annuntiation* design'd by *Titian*; the story of *Judith*, the Portrait of *Cosimo di Medices*, &c. Also the contest 'twixt *Cupid* and *Apollo*, before the Gods; the Conversion of *St. Paul* in great, a very rare stamp: The head of *Jovanni de Medici*, *Charles the V.* and some rare *Medails* which are extant in the hands of the Curious: He also publish'd *St. George*; several habits of Countries; The *Stemmata* or Trees of the Emperours, and divers other Famous Pedegrees.

Lamberto Susue set forth 13 prints of *Christ* and his Disciples far better graved than design'd, also the Resurrection of *Lazarus*, and a *St. Paul*, which are skilfully, and very laudably handled.

Gio. Battista de Cavoglieri has cut the de-

scent from the Cross, a *Madona* and many others.

Antonio Lanferri, and *Tomaso Barlacchi* graved divers things after *Michael Angelo*, and procured so many as were almost numberlesse: But what they publish'd of better use were divers *Grotescos*, *Antiquities* and peices serving to *Architecture*, taken out of the old buildings and Ruines yet extant, which afterwards *Sebastiano Serli* refining upon, compos'd the better part of that excellent book of his: And of this nature are the things publish'd by *Antonio Labbaco*, and *Barozzo da Vignola*.

The Famous *Titian* himself left some rare things graven with his own hand in wood, besides his *Pharo* in the great *Carzoons*, divers *Landskips*, a *Nativity*, *St. Hierom*, *S. Francis*; and in Copper a *Tantalus*, *Adonis*, also in Box the *Triumph of Faith*, *Patriarchs*, *Sybls*, *Innocents*, *Apostles*, *Martyrs*, with our *Saviour* borne up in a *Chariot* by the four *Evangelists*, *Doctors*, and *Confessors*; Also the *B. Virgin*, a *St. Anna*, which he first painted in *Charo oscuro* on the *Sepulcher* of *Luigi Trivisano* in *St. Giovanni e paola* at *Verice*; *Samsin* and *Dafnia*, some *Shepherds* and *Animals*; *Three Bertuccie* sitting, and encompassed with

with Serpents, like the *Läocöon*; not to mention what were published by *Giulio Buonafoni*, and those which were cut after *Raphael*, *Giulio Romano*, *Parmegiano* and several others.

Baptista Franco a Venetian Painter, has shewed both his dexterity in the *Graver*, and *Aqua Fortis* also; by the *Nativity*, *Adoration of the Magi*, *Predication of St. Peter*, *Some Acts of the Apostles*, *Histories of the Old Testament* after several excellent Masters.

Renato did divers rare things after *Rosso*, as in that of *Francis the First* his passing to the *Temple of Jupiter*; *The Salutation of the B. Virgin*, and a daunce of ten women, with several others.

Luca Penni published his two *Satyrs* whipping of *Bacchus*; a *Leda*, *Susanna*, and some things after *Primaticcio*: also the *Judgement of Paris*, *Isaac upon the Altar*; a *Christ*, a *Madona* Espousing of *S. Catharine*; the *Metamorphosis of Calisto*, *Consilium Deorum*, *Penelope*, and some others in *Wood*. Who does not with admiration and even extasie behold the works of *Francesco Marcolini*? Especially, his *Garden of thoughts*; *Fate*, *Envy*, *Calamity*, *Fear*, *Prayse*, so incomparably cut in *Wood*.

Nor lesse Worthy of Commendation are the Gravings of *Gabrielle Giolito*, in the *Orlando* of *Ariosto*; as also those eleven pieces of *Anatomic* made for *Andrea Vesalius* design'd by *Calcare* the *Flemming*; an Excellent Painter, and which were afterwards engraven in Copper by *Valverde* in little.

Christophoro Coriolano graved the heads in *Vasari's* lives of the Painters, being after the designs of the same *Vasari*; they are in wood, and rarely done.

Antonio Salamanca did put forth some very good things.

Andrea Mantegna that admirable Painter, engraved his *Triumphs of Caesar* with great Art; as likewise *Bacchanals*, and *sea-Gods*, a *Christ* taken from the *Cross*, his *Burial*, and *Resurrection*; which being done both in *Brass* and *Wood*, were conducted with that skill, as for the softness and tenderesse of the lights, they appeared as if they had been Painted in *Miniature*.

Nor may we here omit to celebrate for the glory of the Sex, *Propertia de Rossi*, a *Florentine* Sculptress; who having cut stupendious things in *Marble*, put forth also some rare things in *Stampi* to be encountered

tered amongst the Collections of the Curious.

And about this age, or a little after, flourished *Martin Ruota*, famous for his Judgment after *Michael Angelo* in a small volume, much to be preferred to that which is commonly sold at Rome in so many sheets; likewise his *St. Anthony*, and divers more. *Jacomo Palma* has (besides his excellent book of Drawing) set forth many rare pieces, very much esteem'd.

Andrea Mantuan grav'd both in Wood and Copper; of his were the Triumph of our Saviour after *Titian*, and some things in *Charo oscuro* after *Gio: di Bologna* and *Domenico Beccafumi*, whom but now we mentioned; also the *Roman Triumphs* in imitation of *Mantegna*, a *Christus mortuus* after *Alexand. Casolini*, &c.

Finally, towards the end of this Century, appeared *Augustino*, and *Annibal Carracci*, most rare Painters and exquisite Engravers; for indeed when these ^{to} Arts go together, then it is, and then only, that we may expect to see the utmost efforts and excellency of the *Bolino*: amongst the famous pieces communicated to us by these Masters, we may esteem the *Moxelli*, *Aeneas* of *Barrochio's* invention, and *S. Hierom.*

After *Tintoret* the large and famous *Crucifix* of three sheets in *S. Roccas* school, which so ravished the Painter: *Mercury* and the *Graces*, *Sapientia*, *Pax*, *Abundantia* chasing *Mars* away; The *Ecce homo* of *Correggio*, *S. Francis* of *Cavalier Vanni*: a *Venus* in little with a *Satyr*, and some other *nudities* with something a too luxurious Graver: *S. Giustina's* Martyrdom of *Paulo Veronezes*, *S. Catherine*, and that renown'd *S. Hierom* of *Correggio*; Also in *Aqua fortis* his brother *Hannibal* etched another *Venus*; the *Woman of Samaria* at the well, a *Christ* in little, and a *Madona* with the *Bambino*, and *S. John*; The famous *S. Roch*, and the spitefull coronation with thornes: The *Christus mortuus* bewailed by the devout sex, the original painting whereof hangs in the *D. of Parmas* Palace at *Caprarzola*, and is in the Cut one of the tenderst and rarest things that can be imagined, abating the vileness of the Plate, which was most unfortunately chosen, though through that accident, rendered inimitable, and never to be counterfeited: There is likewise his *Magdalen*, and a *Landskip* touch'd with the Graver a little; likewise a *Sylenus*, all of them incomparably design'd; nor indeed, did any of the four celebrated Artists exceed the *Carracci*, especially

cially *Hannibal*, for the noblenesse and freedom of his postures, bodies and limbs, which he express'd in greatest perfection; We may not omit the *Purification* which he grav'd, and *Villamena* made in large; nor the *S. Anthony*, the Original whereof is in the Palace of *Signior Francisco della Vigna* at *Venice*; nor lastly the *Resurrection*, and the two *Cenaculas*.

In the time of *Sixtus Quintus* and since, lived *Francisco Villamena* a rare workman, whether consider'd for the equality of his hatches, which he conducted with a liberty and agreeableness suitable to the perfection of his design (as is sufficiently apparent in that famous Plate, which he engrav'd after *Paulo Veroneze*, representing *Christ* in the Temple) or in those things after the *Vatican* paintings by *Raphael*, some whereof being never finished, came into a private hand. The *Triumphant Venus* on the sea; *Moses*, some cuts after *Fredrick Barroccio* in *Aqua fortis*, divers *Catafalco's* of excellent Architecture, *Ignatius Loyola*; the story of *Psyche*, containing many sheets; a combate of men casting stones at one another; and lastly, that laborious and usefull book, comprehending the *Historical Columne* of *Trojan*, design'd

by *Julio Romano*, and *Girolamo Mutiano*; which at my being at *Rome* (then quite out of print) I procur'd of his Widow who was then living, but would not part with the Plates out of her sight.

Giovanni Maggi was an excellent Painter and *Etcher*, as he has sufficiently discovered in his rare *Perspectives*, *Landskips*, and his *Roma* in the Larger *Chartoon*; likewise in the nine priviledg'd and stationary Churches, with the three *Magi* who offer presents to our *Saviour* in allusion to his name.

Leonardo, *Isabella*, and *Bernardino Parisol*, that we may furnish all the sorts of Art in this kind, cut exquisitively in wood, which is a graving much more difficult; because all the work is to be abated and cut hollow, which is to appear white; so that (by a seeming paradox) as the Matter diminishes the *Forme* increases; as one wastes, the other growes perfect. These all flourished about the year 1560, and left us three little histories of the *Salutation*, *Visitation*, and *St. John Baptist*: Also *Christs* washing his Disciples feet, and the cuts to *Castor Durantes Herbal*: *Isabella*, who was his wife, publish'd a book of all the sorts of *Points*, *Laces*, and *Embroderies*

ries, with other curious works for the Ladies, being all of her own invention (except the Frontispiece only, which is *Vilamenas*) and the Plants in the Herbal of the Prince *Cesi d' Aquasporte*, a learned person of that Age. Lastly, the son did also put forth some few things of his work; but was a far better Painter in *Fresco*.

Antonio Tempesta was a most exact and rare designer, for which his works are much more estimable, than for the excellency of his Points and Needles: he has left us of his essays in *A. F.* the Histories of the *Fathers*, the twelve Moneths of the year, *Roma* in a very large volume; an incomparable Book of *Horses*, another of *Hunting*, the plates now worn out, and retouch'd with the *Bolino*: *St. Hierom*, and a *Judgement*: the wars of *Charles the Fifth* rarely perform'd: the *Metamorphosis* of *Ovid*; the *Battails* of the *Jewes*, especially that of the *Amalickites* in great, the *Creation* and *Old Testament*, *Torquato Tasso's Jerusalem Liberata*, the *Birds* and *Falconry* in *Pietro Olinas* Book, with divers others well known, and much esteemed by the *Virtuosi*.

Cherubin Alberti has celebrated his incomparable *Graver* in that presentation of

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our Lord in the *Temple*; the *Adam* expelled out of *Paradise*: In the *Puti*, *divers Vasa's*, and other pieces which he wrought after *Polydoro de Caravaggio* and *Michael Angelo*, commonly sold at *Rome*, and universally collected.

Horatio Borgiani cut the *History of the Bible* in the *Peristyle* of *Raphael* at the *Vatican*, so often made mention of; and out of which, as from a *School* of the noblest *Science*, most of the great *Painters* of the *World* have since taken forth their *Lessons*: He likewise published some things in *Char' Oscuro*, which were rarely heightened.

Raphael Guido a Tuscan, engraved many pieces after *Cavalier Arpino*, as the *Flagellation*, *Romulus*, *Icarus*, *The Angelus Custos*, *Ceres*, *Bacchus*, a *Christus mortuus*, and *St. Andrew* the *Apostle*, after *Barroccio*.

Jovanni Baptista della Marca put forth many devices of *Shields*, *Armour*, *Busts*, and *Trophies* cut in wood.

To these we might add those excellent things of *Camillo Graffico*, and *Cavalier Salimbene*, *Anna Vaiana*, with innumerable more; But we have yet other fruitfull *Countries* to visit, to whose praises we must be just; only we may not forget the
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incomparable *Stephano Della Bella* a *Florentine* Painter now, or lately living; whose intire collection in *A. fortis* is deservedly admir'd, and here in particular to be celebrated by me, in acknowledgment of some obligation I have for his civilities abroad: And of this Artist's works, flowing, and most luxurious for invention, are those things which in imitation of *Callot* he did in little, being yet very young: As the *Scenes* and dances of the *Horses*, at the Marriage of the Duke of *Tuscany*; *Compartimenti*, *Cartells*, *Ornaments* and *Capricios* for *Carvers* and *Embroiderers*: A book of *Gobbi*, and divers *Vasa's*, *Landskips* in *Rounds* and others: A book of *Beasts* done exceedingly to 'the natural: The principles of *Designe*, *Heads*, and other touches very rare and full of spirit, several pieces of our *Lady*, *Christ*, *St. Joseph*. &c. *Jacobs* descent into *Egypt*: The *Procession* and *Exposure* of the *Sacrament*, where there is an *Altar* of curious *Architecture* enrich'd with festival *Ornaments*: The *Cavalcado* of the *Polonian* *Embassadour* into *Rome*, with divers other proceedings, *Pieces* of *Polonians*, *Persians*, and *Moors* on *Horseback* breathing a rich and noble fancy: Also *Seiges*, *Engines* for *War*, with *Skirmishes*, *Land* and *Sea-Fights*:

Fights : The *Metamorphosis* of *Ovid* : The *Sultana* and her son, taken by the Knights of *Malta*; and to conclude, (for there is no end of his *Industry*) the Prospect of the *Pont Neuf* at *Paris*, than which there is not certainly extant a more lively representation of the busie *Genius* of that *Mercurial* Nation ; nor a piece of greater variety as to all encounters and accidents, which one can imagine may happen amongst so numerous a people and concourse of *Man-kind*

Lastly (for they were likewise some of them *Gravers* in *Copper* and very rare *Chalcographers*) we must not omit to make honourable mention here of those incomparable *Sculptors* and *Cutters* of *Medails*, whether in *Gemms* or *Metals*; such as were (besides those we touch'd in the former chapter) *Vittor*, *Gambello*, *Giovanni dal Cavino* the *Padouan*, and a Son of his ; *Benevento Gellini*, *Leone Aretino*, *Jacopo da Trezzo*, *Fred. Bonzagna* ; and above all *Gio. Jacopo*, who have almost exceeded, at least approach'd the *Antients* : To these may we add *Giovanni da Castel Bolognese*, *Matteo dal Nasaro*, *Giovanni dal Cornivole*, *Domenica Milaneze*, *Pietro Maria de Pescia*, *Marmita*, and *Ludovico* his Son, *Valerio Vincentino*

Vincentino who had been in *England* in the time of *Queen Elizabeth*, and left a *Sardonix* which he cut, representing the head of that famous *Heroine*, inferiour to none of the *Antients*: There was likewise *Michelino*, who with the above-named *Ludovico*, and *Vincentino*, had so accurarely counterfeited the antient *Medails*, that the most knowing *Antiquaries* were often at a losse to distinguish them: Such were also *Luigi Arichini*, *Alessandro Casari* called the *Greek*, so much celebrated for that stupendious *Medalion* of *Paul the Third*, and the head of *Photius* the *Athenian* which he cut in an *Onyx*, comparable, by the *Universal Suffrages*, to any of the *Antients*: We could reckon up the works also of many of the rest; but it is not requisite, after we have given this tast, and would merit an expresse *Treatise*. Likewise those of *Antonio de Rossi*, *Cosimo da Trezzo*, *Philippo Negarolo*, *Gaspar* and *Girolamo Misaroni*, *Pietro Paulo Galcotto*, *Pastorino di Sienna*, not omitting that famous *Pharodoxus* of *Milan*, *Fran. Furnius*, and *Severus* of *Ravenna*, &c. whose works were in *Gold*, *Silver*, *Copper*, *Steel*, *Achates*, *Cornelians*, *Onyxes*, *Crystal*, *Jasper*, *Heliotrope*, *Lazuli*, *Amethystis*, &c. yea, and to shew how

how much some of those Modern Masters exceeded the Antients, even the *Diamond*, that hitherto insuperable gemme, was subdu'd by the famous *Treccia* of *Milan*, who with stupendious successe cutting the *King of Spains Armes* in a Noble Table, was the first that ever engrav'd, or made impression into that Obdurat stone. It will become such to be well acquainted with these Masters Labours, and their manner, who aspire to be knowing, and to improve their Judgment in *Medaills* and *Intaglias*, that necessary, Ornamental and Noble piece of *Learning*; and not only to be well skill'd in their way of design; but to be able also to perform something in the Art themselves: For such were those ingenious and Illustrious Spirits, *Geo. Battista Sozini* of *Sienna*, and *Rosso de Giugni* of *Florence*, Gentlemen of note; and such, with us, is our Noble and worthy Friend, *Elias Ashmole* Esq; whose Learning, and other excellent qualities deserve a more glorious inscription.

Finally, that excellent Medalist *Monsieur Roti*, now entertain'd by his *Majesty* for the *Mint*, and a rare Workman as well for *Intaglias* in stone, as Metal, is not to be here omitted.

We shall speak in the next of those *Germans* and *Flemmings* who excell'd in the Art of Chalcography, not that they have exceeded some of the *French*; but, because they were before them, and Universally admired: of these, the *Antesignani* were the foremention'd *Albert Durer*; that Prodigie of science, whose works we have already recounted upon occasion of *Marco Antonio*, and therefore shall here forbear the repetition; as also those of *Lucas*, whose works (consisting in all of about Lxx. sheets, and which I have known fold for near an hundred pounds sterling, to one that as well understood the value of mony, as of that rare Collection; he being one of the greatest Merchants of Books in *Europe*) are to be taken blindfold as they say; provided the impressions be black, well conserved, of equal force, and not counterfeit, as there are several of them which be; discernable only by the curious, and accurately skilfull: For such (amongst others of *Durers*) are the Creation of *Adam*, the story of *Lot*, *Susanna*, The *Crucifix* which he cut in a small round plate of *Gold* for the *Emperours* sword, and is fixed on the pummel, not before mention'd: his arm'd *Cavalier* and *Satyre*;

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and indeed, almost all that ever *He*, or *Lu-*
cas graved and set forth.

The Works of *Aldegrave*, who came very near *Albert*, and flourish'd about the same Age, are worthy the Collection: His pieces are distinguish'd by the Cypher of his initial Letters *in imitation of *Durer*, as likewise the Author of the *septem opera misericordiae*; stories of the book of the Kings, *Artemisia*, &c. whose gravings are countersign'd with G.P. I.B. publish'd the four Evangelists, *Adam*, a Country fellow, a *Bishop*, a *Cardinal*, Satyrs, &c. M. the Prodigal son, the Evangelists, &c. some whereof are Copies after *Albert*, and most of their works done in small plates.

Hans Sibald Eeme hath done wonders in those small figures, stories, and nakedes which he publish'd; it shall not be requisite to recite here the Catalogue; because his mark I-S-B is fixed to most of his works, though now and then profan'd by the hands of others.

Jerome Coch a Flemming cut a *Moses*, 32 sheets of the story of *Psyche*, design'd by one *Michael* a Painter of the same Country, very rarely conducted: Also *Dalila* and *Samson*; The destruction of the *Philistims*, the Creation of *Adam*, &c. 27 Stories of
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the *Old-Testament* nobly design'd by *Martino*, and as well grav'd : Also the *History of Susanna* : Another book of the *Old, and New Testament* : The *Triumph of Patience*, a rare Cut : the *Heart on the Anvile*, and divers *Emblems* full of curious *Figures* ; many sacred *Triumphs* ; *Fraud, Avarice* ; a *Bacchanalia*, and a *Moses* after *Bronzini*, in emulation whereof, *Gio. Mantuano* publish'd his *Nativity*, an incomparable print ; after which *Jerome* grav'd for the *Inventor*, twelve great sheets of *Sorceresses*, the *Battails of Charolus the V.* and for *Verese* a painter, the *Perspectives* which pass under his name, with 20 leaves of several *Buildings* ; besides the *St. Martine*, in a book full of *Devils* ; For *Girol. Bos*, the *Alchymist*, the *seven deadly Sins*, the *last Judgment*, a *Carnival* ; and, after *Francis Floris* ten pieces of *Hercules Labours*, the *Duel of the Horatii and Curatii*, the *Combate of the Pygmies and Hercules*, *Cain and Abel*, *Abraham* ; the *Decision of Solomon* between the two *Harlots*, and in summe, all the actions of humane life.

And now that we mention'd *Francis Floris* of *Antwerp*, the rare things which he publish'd in stamp, purchas'd him the name of the *Flemmish Michael Angele*.

Of the same Country was that incomparable *Cornelius Cort*; we will commence with the *Judgment of Michael Angelo* which he cut in little: Most of his things were after *Frederic Zucchari*, and some few of *Raphaels*; besides his *Landskips* and other *Gravings*, after *Girolam Mutiano*, which are very excellent: Also *John Baptist*, *St. Hierom*, *St. Francis*, *Mary Magdalen*, *St. Eustachius*, the *Lapidation of S. Stephen* design'd by *Marco Venusto* the *Mantuan*. A *Nativity*, after *Thadeo Zuecharo*, *St. Anne*, &c. Also a *Nativity* in great, after *Polydore*: The *Transfiguration*; The *school at Athens*; The *Battail of Elephants*; some *Gravings* after *Don Julio Clovio*, and *Titian*, which had they been accompanied with that tenderness, and due observation of the distances, that accomplish'd the succeeding *Gravers*, had render'd him immortal; so sweet, even and bold was his work and design in all other considerations. We mention'd *Titian*; for about 1570. *Cor. Cort* did use to work in that famous *Painters house*, and *Graved* for him that *Paradise* he made for the *Emperour*; *St. Lazarus Martyrdom*, *Calisto* and the *Nymphs*, *Promethews*, *Andromeda*, the fore-nam'd *Magdalen* in the *desart*, and *St. Hierom*, all of them of *Titians* invention. We

We come now to *Justus*, *John*, *Aegidius*, and *Ralph Sadeliers*, who lived in the time of the Emperour *Rodulphus*, and publish'd their almost numberless labours; we can therefore instance but in some of the most rare; such as were that Book divided into three parts. 1. *Imago bonitatis*, 2. *Boni & mali scientia*, 3. *Bonorum & malorum Consensio*, design'd by *Martin de Vos*: The *Vestigia* of *Rome* tenderly and finely touch'd in 50 sheets: The 12 *Roman Emperours* and *Emperesses* after *Titian*, rarely grav'd by *Giles*, a *Madona* with our *Saviour*, and *St. Joseph* after *Raphael*, *Christus Flagellatus*, and the head of *Rodulphus II.* with various *capriccios*, and inventions about it, as also that of the Emperour *Matthias*, adorn'd with the chaplet of *Medails*; the calling of *S. Andrew*, by *John* and *Giles* in brotherly emulation: Four books of *Eremites* admirably conducted by *Raphael*, a *cena Domini* after *Tintoret*, and another *Flagellation* of *Arpino's*: Divers *Landskips*, The 12 *Moneths*; the great *Hall at Prague*, the *Effigies* of *Martin de Vos*, by *Aegidius*; The Emperour and *Empresse* in their *Robes of State*; an *Adoration* of the *Magi*, after *Zuchari*: *Adonis* and *Venus*, after *Titian*: a *Crucifix*, after *Jac. Palma*, a *Resurrection* in

great: the rich *Epulo*, *St. Stephens Lapidation*, the Original whereof is at *Friuli*: a *S. Sebastian*; These by *Giles*: *John* engrav'd after *M. de Vos* a scholar of *Tintortès* already mentioned, the *Creation* and many histories out of *Genesis*: *Ralph* cut also the *Life of Christ*; the *Credo*, by way of *Embleme*: In summe (for their whole collection is not to be crouded into this *Catalogue*) they have all of them published such incomparable gravings; that 'tis the greatest pittie in the world, they had not flourished in the time of the great *Rapbael*, and the good *Masters*; for they were not only accurate and punctual imitators; but gave to their works that softnesse, life, and *Colore* (as *Artists* terme it) which accomplishes all the rest; Especially, *John* and *Rapbael* in what they graved after *Mich. de Vos*, *Bassano*, and others, whose *Rusticities* they set forth: those of *Aegidius* in great, being a descent from the *Crosse* of *Barroccis* invention; the other a *Flagellation* design'd by *Josepho Pin*, can never be sufficiently celebrated.

After the *Sadellers* appeared *Herman Muller* with a very bold *Bulino*, and likewise *Janus* who graved many things after *Sprangers*, worse chosen (for the convulsive and even *Demoniac* postures) than executed.

But

But the imitations of the Graver by *Simon Frisius* the Hollander, who wrought with the *Aqua fortis* of the *Refiners*, are altogether admirable and inimitable, the stroke and conduct consider'd, had the design (excepting those of his Birds, which are indeed without reproch) contributed in any proportion to his dexterity.

After him came the *Swisse*, *Matthew Miriam*, who had he perform'd his heightnings with more tenderesse, and come sweetly off with the extremities of his hatchings, had proved an excellent Master: His works are useful and innumerable in Towns, Landships, Battails (those especially fought by the great *Gustavus*) &c. the *Soft Vernish* and separating *A.F.* was the instrument he used.

We have seen some few things cut in wood by the incomparable *Hans Holbein* the Dane, but they are rare, and exceeding difficult to come by; as his licentiousnesse of the *Friers* and *Nuns*, *Erasmus*, the *Dance Macchabree*, the *Mortis imago* which he painted in great, in the Church at *Basil*, and afterward grav'd with no lesse art, and some few others: But there is extant a book of several Figures done in the same material by one *Justus Ammannus Tigur*, M D LXX VIII. which are incomparably

design'd and cut : In the Epistle whereof, one *Holtzhusen* a Gentleman of *Frankfort* is commended for his universal knowledge, and particularly his rare talent in this Art; which it is there said he shewed, by wonderful contrivances at the celebration of *Martin Luthers* Nuptials, and therefore worthy to be taken notice of.

Hans Brosshaemer besides several other things, hath cut in wood a triumph of the Emperour *Maximilian* into *Neuremberge*.

Vergilius Solis graved also in wood the story of the *Bible*, and the *Mechanic Arts* in little; but for imitating those vile postures of *Aretine*, had his eyes put out by the sentence of the Magistrate.

Henry Golzius was a *Hollander*, and wanted only a good, and judicious choice to have render'd him comparable to the profoundest Masters that ever handled the *Burin*; for never did any exceed this rare workman; witnesse, those things of his after *Gasparo Celio*, the *Gallatea* of *Raphael Santio*, and divers other pieces after *Polydor da Carravaggio*, a *Hierom*, *Nativity*, and what he did of the *Acts of the Apostles*, with *Ph. Galle*, &c. but he was likewise an excellent painter.

George Nouvolstell was of *Mentz* in *Germany*, an admirable Graver in Wood: he

publish'd that *Aeneas* in little, and some Historical parts of the *Bible* very well perform'd; also divers of the Fathers after *Tempesta*, besides the *Jerusalem liberata* of *Bernardino Castelli* in Quarto, with many *Cartels* of Armes and Harnesses, and some Pictures to a *Breviary*, &c.

Mathew Greuter publish'd a curious book of Letters, the City of *Rome* in an ample forme, and a large Map of *Italy*; the Old and New Testament, the Church of *Strasburge*, an harmony 'twixt the *Decalogue* and the *Lords prayer* very ingeniously represented in Picture, with severall other things laudably performed; But his son,

Frederic did infinitely exceed the Father, as may be seen by those many curious Gravings which he has cut after *Pietro Berretin Corton*, and the famous *Andrew Saccus*, egregious Painters.

Sanredamus did publish many excellent cuts, especially those which he coppied after *Lucas van Leiden*, of which we have formerly given a hint for their sakes, who are collectors of these curiosities, and may not happily be yet arriv'd to the judgment of being able to discern them from the Originals; Also some things after *Goltzius*.

Cornelius Galle in his *St. Priscas Baptism*,

Papenheim's and other heads after *V. Dyke*, has shew'd what he was able to perform, not to mention abundance of *Frontispieces* and other lesse considerable of his workes. But the

Count Cloudt a Knight of the *Palatinat* has publish'd, though very few, yet some stupendious things; especially that of our *B. Saviours* flight into *Egypt* by night, the story of *Tobit*, and about three or four more, worthy of all admiration.

Swanevelts History of *St. John*, with divers *Landskips*.

Pandern's descent from the *Crosse*, *Mattham's* *Christ* and *St. John*, a *Venus* after *Rotenhamer*, *Pope Innocent X.* &c.

Branchorsts rare *Etchings*, especially those *Ruines* and *Anticalias* of *Rome*: and superiour to all, the incomparable *Landskips* set forth by *Paul Brill* (some of which have been *Etched* in *Aqua fortis* by *Nieu-lant*) do extreamly well merit to be placed in this our *Theater*: For to be brief, because we can only recite the most remarkable and worthy the collection. *Mattham* is famous for *Fruits*; *Boetius*, or *Adam Bolsuer* for his *Rusticks* after *Blomaert*, *Londerselius* has taken excessive pains in his *Landskips*; and so has *Van Velde* in some few: but above all, *Nicholas de Bruyn* (after

Aegidius Coninxlogensis) is wonderful for *Boscage*, and the industry of his undertaking works of that large Volume, which *Theodore de Bry* (resembling him in name) has been as famous for contracting; though both of them of a *Dutch* heavy Spirit, and perfectly suting with the times and places: notwithstanding has this latter perform'd some things in little, very laudably: Nor with lesse ingratitude, amongst others may we forget the *Nova reperta* of *Stradanus* by *Theodor Galle*, who also published the whole proceſſe of making silk of the worm, and certain other works in *Manufacture*, all of them represented in Sculpture.

Mallery in his *Peccati fomes* after *Mic. de Vos*, has perform'd wonders as to the subtilty and imperceptible *ductus* of the Graver.

Bolsuert set forth the *Sacra Eremus Ascetiarum*, after *Blomart* and others; but above all is he to be celebrated for those rare heads, and other stories graved after the Paintings of *Rubens* and *Van Dyke*, which for their sakes, who are diligent collectors of the renouned persons of the late Age, we shall not think amiss to mention. Such were the *Dutcheſſe of Orleans*, Arch Duke *Albert*, *Justus Lipsius*, and others, after *Van Dyke*; *Lessius* and *Bellarmino*, Jesuites, after

after *Diepenbec*: after the same hands did *Paulus Pontius* grave the head of *Sigismund* King of *Poland*, Count *Pimentelo*, &c. after *Rubens*, *Don phil: de Gusman*, *Don Alvar: Buzan*, an incomparable cut; *Don Car. de Colanna*, *Rubens* picture bare headed; for there is another in a hat: *Gasp de Grayer*, *Simon de Vos*; *Maria de Medices*, *Cesar Alexand. Scaglia*, *Const. Hagens* the learned Father of our most ingenious Friend *Monsieur Soylecom*, so worthily celebrated for his discoveries of the *Annulus* about *Saturne*, the *Pendule* clocks, and universal *Mathematical Genius*. *Gasper Garartius* the Lawyer; *Gasp. Revestyn*; *Gustavus Adolphus* King of *Sweden*, *Jacobus de Breuch*, the *Princesse of Brabanson*, that rare head of *Frederic Henric* Prince of *Orenge*, and his own, with many more, after *Van Dyke*; besides the *Jesuit Canisius*, *R. Urbin* Painter, and others whom he grav'd after *Diepenbec*, &c. And since we mention'd Sir *P. Paule Rubens*, we may not pretermitt those many excellent things of that great Polititian, a learned and extraordinary person, set forth in so many incomparable Gravings by the admirable works of *Suannebourg*, the above-named *Pontius* and *Bolswert*, *Nesse*, *Vosterman*, *Vorst*, and other rare Masters in
 this

this Art: Such are (to instance in some only) his battail of the *Amazons*, *St. Roch*, our *B. Saviour* compos'd to Burial, the Fight of *Lyons*, his great *Crucifix*, Conversion of *S. Paul*, *St. Peter* in the ship, a *Nativity*, the *Magi*; The bloody Catastrophe of *Cyrus*; *Solomons* first Sentence; *St. Catharines* espousals, the tribute demanded of our Lord; *Susanna* and the Elders, *St. Laurence* Martyr'd; the Palaces of *Genoa*; with divers others to be encounter'd amongst the Merchants of Prints, who frequently vend the copies for the originals to the lesse wary Chapmen: *Chr. Feghre* has cut the Temptation of our Saviour in wood, very rarely perform'd, after this great Master: And besides the former mention'd,

Lucas Vosterman, and *Vorst* are never to be forgotten so long as the memory of his Schollar *Sir Ant Van Dyke* is famous, for the heads of *Marquesse Spinola*; *Char. de Mallery*, *Horatius Gentilescus*; *Jo. Count of Nassaw*, *Van Milder*; *P. Stevens*, and *Cor. Sachtleven*, which he engrav'd after a new way, of Etching it first, and then pointing it (as it were) with the *Burine* afterwards, which renders those latter works of his as tender as *Miniature*; and such are the heads of *Van Dyke* himself, *Jo. Livens*, *Cor. Schut*,

Schut, Corn. de Vos, Deodat del Mont, Lucas van Uden, Jodocus de Momper, Wencesl. Coeberger, Painters; Count de Ossono, Duke of Bavaria, the Arch-Dutchesse Clara, the last Duke of Orleans, Anton. Connebison, P. Stevens, and many others, together with those other pieces of History, viz. the Sepulture of Christ, and S. George, after Raphael, Magdalene under the Crosse, our B. Saviour in his Agony, after Carraccio; the Susanna, St. Laurence, and what but now we mention'd, after Rubens; divers heads after Holbein, as that of Erasmus, the D of Norfolk, and others of the *Arundelian* collection.

Van Vorst, Competitor with *Vosterman*, has likewise graven a number of Heads after *Vandyke*; I shall only name the learned Sr. Kenelme Digby in a *Philosophical* habit: our famous Architect *Inigo Jones*, and those two incomparable figures of *Charles the Martyr*, and his Royal Consort, the *Q. Mother* now living: And to shew what honour was done this Art by the best of Painters,

Sr. *Ant. Vandyke* did himself etch divers things in *A. Fortis*: especially a *Madona*, *Ecce Homo*, *Titian* and his Mistress, *Erasmus Roterodamus*, and touched several of the heads before mentioned to have been grav'd by *Vosterman*.

After

After this great Masters paintings, did *Peter de Jode* grave the *Effigies* of *Genovefa* Widdow to *Car. Alex. Duke of Croÿ*. *Paulus Helmatius* ; the Learned *Puteanus* ; the Bishop of *Gendt* ; the face whereof is thought to be Etched by *V. Dyke* himself ; he graved *Jo. Snellinx*, a Painter : besides a book of designing, very rare ; and the many other prints after his Master *Goltzius* (whose Disciple he was) which both *Peter*, and his *Son* of the same name, have engraved for *Monfieur Bob Enfant* of *Paris*, &c.

Colaert graved some things rarely in steel.

Sniiderhoef has engraven the heads of most of the Learned Dutch, after several painters, with good successe : as those of *Heinsius*, *Grotius*, *Barleus*, &c. not forgetting that stupendious Lady *Anna Maria a Scureman*, &c.

Jo. Bauris has design'd his Battails with a fine Spirit, but without care in the etching.

Vander Thulden published the whole History of *Ulysses*, being the work of the Famous *Primiticcio* at *Fontain Bleau* Etched also in *A.F.* and so design'd, as few pretend to this Art did ever exceed him : And so, as we but lately mention'd, are the papers of the inimitable *Suanebourge*, which strike a ravishing effect in all that beheld them, for the admirable tenderesse,
and

and rare conduct of the hatches ; especially those which he cut after the drawings of *Abraham Blomaert*, and *Rubens*.

But now that we mention *Blomaert* , whose works we have celebrated in general , because they smell something of a *Dutch* spirit, though otherwise well engraven ; There is at *Rome* (if we mistake not) a Son of his named *Cornelius*, who in that *S. Francis* after *Guido Reni*, and those other pieces after the design of those great Masters *Monsieur Poussine*, *Pietro Cortone*, &c. to be seen in the books set forth by the Jesuit *Ferrarius*, his *Hesperides*, *Flora*, *Aedes Barberini*, &c. hath given ample Testimony how great his abilities are ; for, certainly , he has in some of these stamps arrived to the utmost perfection of the *Bolino*, though some Workmen will hardly allow him this *Elogie*. But those things of which the incomparable *Natalis a Ligeis*, (and therefore reckon'd here amongst the *Germans*) pass without the least contradiction for the utmost effort of that instrument. Such are that *St. Catharines Espoufalls* after *Bourdon*, which seems to be a very piece of Painting : The two *Madonnas* in contest with *Poilly* : The *Thesis* ; and the chapter of the *Carthusians*, all after the

the Life and his own design, a stupendious work: also the heads of *Jacob Catz*, one of the States of *Holl.* painted by *Dubordieu*; and some few things more, as the exactness and Curiosity of what he undertakes requires, sufficient to discover the admirable perfection of this great Artist: For we do not mention several *Frontispieces* which he has likewise engraven, with equal Industry.

Ferdinand has besides many others, graved after the same *Bourdon*, the story of *Ulysses* and *Andromache* •

Urieſe and *Verden* are famous for their *perspectives*.

Winegard his *Roman Vestigia*, &c.

William Hondius, besides those things which adorn his *Mapps*, which are the largest *Planispheres*, has very rarely engraven his own Head, after a painting of *Vandyke*: nor with lesse Art has *Vankessel* done that of *Charles the fifth*, after *Titian*: *Clovet*, *Car. Scribanus*, the *Jesuits*.

Caukern has graven the story of that pious Daughter, who gave suck to her imprison'd Father; a fight of *Boores*, with divers others, after *Rubens* and *Vandyke*, &c. besides those which are extant in *Mr. Oglebjes Homer*, *Bible*, my Lord of *New-Castles*

Cavalerizzo, &c. design'd by *Deipenbec*; whose rare Talent, that Theater, or Temple of the *Muses* published by that Curiously Learned, and Universal Collector of prints, the *Abbat* of *Villoin*, (of whom we shall have occasion to discourse in the next Chapter) do's sufficiently illustrate.

Lucas Kilianus has rarely grav'd the Murther of the *Innocents*; the Miracles of the fish; *Annuntiation*, *Circumcision*, and some Plates in the *Hortus Eystettensis*, &c.

Vischer, viz. *Cornelius* (for there is another who has published divers *Landskips*) hath most rarely Etched a certain *Dutch* Kitchin, where there is an old Man taking Tobacco, whilst his Wife is a frying of pancakes: also a *Fiddler* accompanied with boyes and girles, painted by *Ostade*: but above all, admirable is the *descent*, or *Christus Mortuus* after *Tintoret*, both grav'd and Etch'd, as indeed, I should have said of the rest.

Vouillemont has Etched our *Saviours* chasing the sacrilegious Merchants out of the Temple, after the same *Tintoret*; which is very rare.

Nolp the twelve moneths, especially the boystrous *March*.

Lombart, many plates for Mr. *Oglebyes* *Virgil*; as likewise that industrious Interpreter

preters Picture after our famous Mr. *Lilly*, in which he has performed laudably: Nor must I here forget Mr. *Hertoc*, who has grav'd the Frontispiece for ΕΙΚΩΝ ΒΑΣ. in fol. and that of this Treatise; with many other.

To these we may add the incomparable *Reinbrand*, whose Etchings and gravings are of a particular spirit; especially the old Woman in the furs: The good *Samaritan*, the *Angels* appearing to the Shepherds; divers *Landskips* and heads to the life; *St. Hierom*, of which there is one very rarely graven with the *Burine*; but above all, his *Ecce Homo*; descent from the Cross in large; *Philp*, and the *Eunuch*, &c.

Winceslaus Hollar, a Gentleman of *Bohemia*, comes in the next place, not that he is not before most of the rest for his choïce and great industry (for we rank them very promiscuously, both as to time and preheminance) but to bring up the Rear of the *Germans* with a deserving person; whose indefatigable works in *Aqua Fortis* do infinitely recommend themselves by the excellent choïce which he hath made of the rare things furnish'd out of the *Arundelian collection*; and from most of the best hands, and designs; for such were those of *Leonardo da Vinci*; *Fr. Parmensis*,

Titian, Jul. Romano, A. Manten^oio, Corregio, Perino del Vago, A. Urbin, Seb. del Piombo, Palma, Alb. Durer, Hans Holbein, Vandike, Rubens, Bereugle, Bassan, Ælsheimer, Brower, Artois, and divers other Masters of prime note, whose Drawings and Paintings he hath faithfully copied; besides several books of Landskips, Townes, Solemnities, Histories, Heads, Beasts, Fouls, Insects, Vessels, and other signal pieces, not omitting what he hath Etched after De Clyre, Mr. Streter, and Dankert, for Sr. Rob: Phil. Stapletons Juvenal, Mr. Ross his Silius, Polyglotta Biblia; the Monasticon, first and second part, Mr. Dugdales Paules, and Survey of Warwickshire, with other innumerable Frontispieces, and things by him published and done after the life; and to be (eo nomine) more valued and esteemed, than where there has been more curiosity about Chimeras, and things which are not in Nature: so that of Mr. Hollars works we may justly pronounce, there is not a more useful, and instructive Collection to be made.

The learned *Hevelius* has shewed his admirable dexterity in this Art, by the several *Phases* and other *Ichonisms* which adorn his *Selenograph*; and is therefore one of the noblest instances of the extraordinary use

use of this Talent, for men of Letters, and that would be accurate in the *Diagrams* which they publish in their works.

The no lesse knowing *Anna Maria a Schurman* is likewise skilled in this Art, with innumerable others, even to a Prodigy of her Sex. For the rest, we shall only call over their names, after we have celebrated the extravagant fancies of both the *Breugles*, as those of the seven *deadly sins*, Satyrical pieces against the *Nuns* and *Friers*; with divers *Histories*, *Drolleries*, *Landskips*, fantastic *Grylles* and *Grotesqus* of these two rare *Rhyparographs*; not farther to tire our Reader with the particulars and several works of *Ostade*, *Corn*, *Clock*, *Queborne*, *Custos*, *le Delfe*, (who has put forth the *Pourtraicts* of many learned persons) *Dors*, *Falck*, *Gerard*, *Bens*, *Moestuer*, *Grebber*, *Geldor̄p*, *Hopfer*, *Gerard*, *Bens*, *Chein*, *Ach: d' Egmont*, *de Vinghe*, *Heins*, *Ditmer*, *Cronis*, *Lindoven*, *Mirevel*, *Kager*, *Coccien*, *Maubease*, *Venim*, *Firens*, *Pierets*, *Quelinus*, *Stachade*, *Sebut*, *Soutman*, *Vanulch*, *Broon*, *Valdet*; whom we expressly omit; because we have introduc'd a sufficient number, and that this chapter is already too prolix.

Only we would not omit *Min Here Bi-scop*, a learned advocate now of *Holland*,

who for his story of *Joseph* and *Benjamin*, where the cup is found in his sack, and those other few cuts among the hands of the curious, must not be passed over in oblivion; as we had like to have done some of the old, and best Masters by having hitherto omitted.

Druesken his King of the *Boors* in *Hungaria*, eaten alive by the Rebels whom he seduced; with some other cuts in wood known by his mark, which was commonly a cluster of Grapes •

Pieter Van Aelst, his *Cavalcade* of the *Grand Signior* to *Santa Sophia*, and several Turkish habits, on which subject also

Swart Jan Van Groennighen has set forth many remarkable things, *Caravans*, *Pilgrimages* to *Mecha*, &c.

Lucas Cranach, *Tiltings*, *Huntings*, *German Habits*, and the portraits of all the *Dukes of Saxony* to his time •

Joos Ammannus (whom we already mention'd) divers of the *Mechanic Arts*; not omitting all those excellent *Wood Cuts* of *Hans Schinfflyn* and *Adam Altorf*; especially this last, known by the two Capital *AA* of the *Gothick* forme included one within the other, as the *D* is in that of *Albert Durers*.

Hubert Goltzius has cut in wood a book
of

of the *Roman Emperours* in two Colours; this name recalls to mind an omission of ours in some of those excellent *Chalcographers* already recorded, and in particular, the incomparable imitations of *Henry Goltzius* after *Lucas Van Leyden* in the *Passion*, the *Christus mortuus* or *Pieta*; and those other six pieces, in each of which he so accurately pursues *Durer*, *Lucas*, and some others of the old Masters, as makes it almost impossible to discern the ingenious fraud.

We did not speak of the heads of the famous men in the Court of the Emp. set forth by *Ægid. Sadeler*; as *Raphael* (his Brother) had the *Bavaria Sancta*, representing all the Saints of that pious Country.

Albert Durer's Tenerdark or Romantic description of the *Amours* of *Maximilian* and *Maria de Burgundy*: the book is in *High Dutch*: He has likewise cut *Petrarch's Utriusque Fortunæ Remedia*, which admirable treatise being translated into the *German Language*, is adorn'd with the Gravings of *Hans Sibald Bheem*, *Ammanus*, *Aldegrave*, and most of the rare Masters of that age: Finally, he has cut the stories of *Apuleius* his *golden Ass*: and sprinkled divers pretty inventions and *Capriccios* in an old impression of *Cicero's Epistles*: And with this recollection

of what we had omitted in the foregoing *Paragraphs* (to which they are reducible) we will take leave of the *Dutch Sculptors*, and passe on to

The *French* who challenge the next place in this Recension, for their gravings in *Taille Douce*, which began to be in reputation after *Rosso* the *Florentine* painter had been invited and Caress'd by that Worthy and illustrious *Mecenas* of the Arts, *Francis* the first: about which time *Petit Bernard* of *Lyons* publish'd the stories for the Bible of *St. Hierom*, performing such things in little, for the Design and Ordinance as are worthy of imitation: so greatly he approach'd the *Antique* in the garb of his Figures, Distances, Architecture, and other accessories of the *Storie*: We have some of these engraven by this Artist, and printed long since at *Lyons*, with the Argument under each cut, in the English verse of those times; which appears to have been done about the beginning of the Reformation, when, it seems, men were not so much scandaliz'd at holy representations.

Nicholas Beatrixius a *Loraneze* graved his *Horse-conflicts*, and several books of *Animals*, and *Wildbeasts*. The *Wid-*
dowes

dows son raised to life, the *Annuntiation* after *M. Angelo*, the Ark of the Catholic Church, after that rare Table of *Mosaic* in *S. Peters* of *Giotto*, &c.

Phillippus Thomasinus labours are worthy of eternity, so excellent was his choice, so accurate his graver; witness the fall of *Lucifer*, the universal judgement, the ship we but now mention'd; the seven works of mercy; *B. Felix*, the Miracles of the *Capucines*, the Statues of *Rome* in little; the labours of many famous persons; the baptism of our Saviour, after *Salviati*; *St. John* the Evangelist in the boiling Oyle; *St. Stevens* Lapidation, after *Ant. Pomarancio*; the *Magi* of *Zuccharo*; *Mary* presented in the Temple, of *Barroccio*; the life of *St. Catharine*; *Fama*, divers sea-Monsters, after *Bernardino Passero*; and some things of *Vanni*; not to omit his *Camea* collected from several curious *Achates* and other precious stones, besides Shields, Trophies, Gordian Knots, with variety of instruments and other works, too long here to recite minutely.

Chrispinus de Pas and his sister *Magdalen* (whether *French* or *Dutch*) have engraven many excellent things after *Breugle*; especially *Landskips*; the persecution of the Prophets and Apostles, with several more:

But that *Liberum Belgium* by *Simon de Pas* his Father, or Brother (I know not whether) dedicated to Prince *Maurice* of *Nassau*, is a very rare cut.

Who has not beheld with admiration the incomparable *Burine* of *Claudius Melan*, celebrated by the great *Gassendus*, and employ'd by the most noble and learned *Perieskius* ? The *Sudarium* of *St. Veronica*, where he has formed a head as big as the life it self with one only line, beginning at the point of the Nose, and so by a spiral turning of the Graver finishing at the utmost hair, is a prodigy of his rare Art and invention ; because it is wholly new, and perform'd with admirable dexterity : Nor has he less merited for his *St. Francis*, *St. Bruno* ; the pointed *Magdalen*, *Pope Urban the VIII.* and divers others to the life, especially those of the Illustrious *Justiniani*, *Perieskius*, and the several frontispieces to those truly Royal works, *Poets*, and other Authors printed at the *Louvre*.

Mauperch has published some pretty *Landskips* ; *La Poutre* many most usefull varieties and Ornaments for Architects, and other Workmen ; Florid, and full of *Fansie* ; especially the *ceremonies* at the *Coronation* of the present *French King*.

Morine, has left us a *St. Bernard*, a *Scul*, his great *Crucifix*; some rare *Heads*; especially that representing our *B. Saviour*, and other things in *A. Fortis*, perform'd with singular *Art*, and *tenderneſſe*; as alſo ſome rare *Landskips* and *Ruines*, after *Polemburch* and others.

N. Chaperon has etched the *Xyſtus* or *Gallery* of *Raphael* in the *Vatican*, with incomparable ſucceſſe, as to the true draught: and ſo has that excellent painter the late

Francis Perier thoſe *Statues* and *Baſſ-relievos* of *Rome*, preferable to any that are yet extant.

Adrans St. Catharine, after *Titian*, who is not raviſh'd with?

Couuay has engraven the three devout *Captive Knights*, and what may appear very extraordinary, *ut quæ celant nomina cœlatura aperiat*, the firſt part of *Deſpauterius's* *Grammar* in picture, or *Hieroglyphic*, for the *Duke* of *Anjou*, the now *Monsieur*.

Perel has diſcovered a particular talent for *Landskips*, if not a little exceeded in the darkneſſe of his ſhades: but his *ruines* of *Rome* are very rare: he has likewiſe a ſon that graves.

The excellency of invention in the *Romances*, and *Hiftories* adorn'd by the hand
of

of *Chauveau*, is not to be passed by; especially those things which he has done in the *Entretien de Beaux Esprits* of *Monsieur De Marefts*, and in several others.

But the pieces which *Poilly* has set forth, may be ranked (as they truly merit) amongst the greatest Masters we have hitherto celebrated: such as (for instance in a few) That admirable *Theses* with the Portrait of *Cardinal Richlieu*; and in emulation with the formerly named *Natalis*, (besides the *St. Catharine of Bourdon*) those things which he hath grav'd after *Migniar*, which are really incomparable, also divers Histories after *le Brun*, &c.

But we should never have done with the Artists of this fruitful and inventive Country as *Heince*, *Begnon*, *Huret*, *Bernard*, *Rognesson*, *Rouslet*, a rare workman, witness his Frontispiece to the French *Polyglotta Bible* design'd by *Bourdon* and lately put forth; *Bellange*, *Richet*, *l'Alman*, *Quesuel*, *Soulet*, *Bunel*, the laudable *Boucher*, *Briot*, *Boulaugé*, *Bois*, *Champagne*, *Charpignon*, *Corneille*, *Caron*, *Claud de Lorraine*, *Andran*, *Moutier*, *Rabel*, *Denisot*, *L'aune*, *Dela Ramez*, *Hayes*, *Herbin*, *David de Bie*, *Villemort*, *Marot* excellent for his buildings and Architecture; *Toutin*,
Grand-

Grand-homme, Cereau, Trochel, Langot du Loir, L' Enfant, Disciple of Melan; Gaultier, D' Origni, Prevost, De Son, Perei, Nacret, Perret, Daret, Scalberge, Vibert; Ragot, who has grav'd some things well after *Rubens, Boissart, Terelin, De leu;* Besides *Mauperche* for Histories, *L' Asne* who has grav'd above 300 Portraits to the life, and is a rare Artist: *Huret*, full of rich invention; not omitting the famous Gravers of Letters and Calligraphers, such as are *Le Gagneur, Lucas Materot, Frisius, Duret, Pauce, Le Beaugran, Beaulieu, Gougenot, Moulin, Raveneau, Jea, Jaques de His, Moreau, Limosin, La Be, Vignon, Barbe'd Or,* and a world of others whose works we have not had the fortune to see: For as heretofore; so especially at present, there is no country of *Europe* which may contend with *France* for the numbers of such as it daily produces, that excel in the art of *Chalcography*, and triumph with the *Burine*.

La Hyre has Etched many things after the *Antique*, as *Bacchanalia's* and several other.

Goyrand is second to none for those Towns and Ruines, which he has publish'd, especially what he has performed in *Aedibus Barberini*.

Colignon no lesse excellent in his gravings, after *Lincler*.

And *Cochin* in those large *Charts* and sieges of Townes, after the Ingeneer *Beau-lieu*: But

Israel Sylvester is the *Hollar* of *France*: For there is hardly a Town, Castle, Noble-mans house, Garden or Prospect in all that vast and goodly Kingdom which he has not set forth in *AF.* besides divers parts and views of *Italy*: above all in those which are etched after the designes of *Monfieur Lincler* (whilst he lived my worthy Friend) as the City of *Rome* in *Profile*; a morsel of *St. Peters*, by it self; and that prospect of the *Loure*; which last doth far transcend the rest of his works, and may be esteem'd one of the best of that kind which the World has extant, for the many perfections that assemble in it.

There is at present *Robert Nanteuil* an ingenious person, and my particular friend, whose *Burine* renders him famous through the World: I have had the happinesse to have my *Portrait* engraven by his rare *Burine*; and it is therefore estimable, though unworthy of the honour of being placed amongst the rest of those *Illustrious* persons, whom his hand has render'd immortal:

For

For such are the *French King*, the *Queens of Poland and Sweden*; *Cardinal Mazarin*, whose Effigies he has graven no less than nine times to the life: The *Duke of Longueville*; *D. of Coullion, Mantoa, Marſhal, Thurene*; *President Jeannin, Molle, Telier, Ormeſſon*, the *Archbiſhop of Tours*, *Biſhop of S. Malo*: *L'Abbe Fouquet*, and divers others of the long Robe: Alſo *Monſieur Heſſelin, Menage, Scuderi, Chaplain, Marolles*, and the reſt of the wits; in ſumme, almoſt all the great perſons of note in *France*.

But that we may conclude this Recenſion with ſuch as have moſt excell'd in this Art, and give the utmoſt Reputation it is capable of: *Jaques Callot*, a Gentleman of *Lorraine*, (if ever any) attain'd to its ſublimity, and beyond which it ſeems not poſſible for humane induſtry to reach; eſpecially, for *Figures* in little; though he have likewiſe publiſhed ſome in great as boldly, and matterly perform'd as can poſſibly be imagin'd: what a loſſe it has been to the *Virtuoſi*, that he did not more delight in thoſe of a greater Volume; ſuch as once he graved at *Florence*, do ſufficiently teſtifie, and which likewiſe have exalt-ed his incomparable Talent to the ſupream-eſt point: It might not ſeem requiſite to

mi-

minute the works which he has published ; because they are so universally excellent, that a curious Person should have the whole Collection, (and be carefull that he be not impos'd upon by the *copies* which are frequently vended under his name ; especially those which *Monsieur Bossè* has published, and which nearest approach him) were it not highly injurious to his merit, not to mention some of the Principal ; Such are his *St. Paul*, *Ecce homo* ; the *Demoniac* cured, after *Andrea Boscoli* ; a *Madona*, after *Andrea del Sarto* ; the four *Comedians*, all these of the larger Volume, and some of them with the *Burine*. Also the passage of the *Israelites* : *St. Lukes Fair* dedicated to *Cosmo di Medices*, a most stupendious work consider'd in all its Circumstances, and encounters : so full of spirit and invention, that upon several attempts to do the like, it is said, he could never approach it ; so much (it seems) he did in that piece exceed even himself.

This is also well Copied : the *History of the B. Virgin* in 14 leaves, the *Apostles* in great, the murder of the holy *Innocents*, an incomparable work, and almost exceeding our description, as to the smalness, life, perfection and multitude of Figures expressed

sed in it. The story of the *Prodigal*: the life and death of our *Saviour* in 20 small Ovals, very rarely perform'd. The Martyrdom of the *Apostles* in 16 leaves, worthy of admiration: The passion of our *Saviour*, in 7 larger cuts: *St. Anthonies* temptation, prodigious for the fancy and invention: *St. Mansuetus* raising a dead Prince, a Bishop preaching in a wood: Divers books of Landskips and sea-pieces: Especially those admirable cuts of his in a book intituled *Trattato di terra Santa*, wherein most of the Religious Places of *Jerusalem*, Temples, Prospects &c. about the *Holy Land* are grav'd to the life by the hand of this excellent Master; The Book is very rare and never to be encounter'd amongst the collection of his Prints: The Duke of *Lorrains* Palace and Garden at *Nancy*: also another paper of a *Tournament* there, both of them most rare things: Military exercises; The miseries of war in 18 leaves, very choice: The battail of *Theseus*, Combat at the *Barriere*, entrance of the great *Duke*, with all the *Scenes* and representations at the Duke of *Florences* nuptials: the *Catafalco* erected at the Emp. *Matthias's* death: the famous *Seige* at *Rochel*, a very large print: also the night-piece of the Cheats and Wenches at play:

Mas-

Mascarades, Gobbi, Beggars, Gypsies, Balli
and Dances, Fantasies, Capriccios, Jubilatio
Triumphii B. Virginis, which was it seems
 grav'd for a *Thesis*; and finally the *Cabaret*;
 or meeting of *Debauchees*, which (being the
 last plate that ever he grav'd) had not the
Aqua fortis given it 'till after his decease:
 And thus we have in brief posted over the
 stupendous works of this inimitable Master,
 whose *point* and manner of etching was
 nothing inferior, nay sometimes even ex-
 ceeded the most skilful *Burine*. But at length
Sit pudor & finis, I desist, and shall here
 conclude the recital of the French *Chalco-*
graphers so many for their numbers, labo-
 rious in their works, and luxurious of their
 inventions, after we have done reason to
Monsieur Bosse, who has made him self so
 well known by his most accurate imitation
 of *Callot*, besides the many rare things he
 has himself published. It were altogether
 unpardonable, that such as would accom-
 plish themselves in *Etching*, should be de-
 stitute of his entire work; especially those
 of his latter manner perform'd in single
 and masterly strokes, without decussations
 and cross hatching, in emulation of the
 Graver. Those *Vignets, Fleurons, capital*
letters, Patis, and Compartiments made to a-
 dorn

dorn the *Royal impressions* at the *Loure* are worthy of celebration; because it is impossible for the neatest *Burine* to excell his *points* and *Eschoppes*; and for that it is to him that we have been chiefly obliged for a *Treatise* which we had prepared of the *practical*, and *Mechanical* part of this *Art of Chalcography*, whereof I have already given accompt elsewhere: it is to the same *Monsieur du Bosse* that the world is beholden for his ingenuity in publishing many other rare and usefull *Arts* assistant to *Architecture*, *Djalling*, *squaring of stones*, and encountring the difficulties of the *Free-Mason*; besides, those excellent *Treatises of perspective*, which from the dictates of *Monsieur des Argues*, he has so laudably communicated: This, and much more we owe to this honest Mans fame and particular friendship.

And lastly, the excellent *Chart-Gravers* may not be totally excluded of this *Catalogue*; because it is a particular address, and, of late, infinitely improv'd by the care of *Tavernier*, *Sanfon*, the *Jesuit Briets*, *de la Rue*, *du Val*, graven by *Cordier*, *Riviers*, *Peroni* and others; not forgetting the most industrious *Bleau* of *Amsterdam*, who have published the *Atlas's*, and other pieces which celebrate their names to posterity, and

such an undertaking has the *Ingeneere Gomboust* perform'd in his *Ichnographical plan* of *Paris* lately set forth, being the result of near a five years continual labour of measuring, plotting, and observing, to render it the most accomplish'd, and testifie to what use, and perfection this noble Art is arriv'd: This we the more readily mention, that thereby we may stimulate and encourage the lovers of their Country, freely to contribute to the like attempt of the above-mention'd *Mr. Hollar*, and enable him to proceed with what is now under his hand, for the honour of our imperial City.

And now it is certainly time that we should think of home a little, and celebrate likewise some of our own Country-men, who have worthily merited with their *Graver*. And although we may not yet boast of such multitudes by reason of the late unhappy differences, which have disturb'd the whole Nation, endeavouring to level *Princes*, and lay the *Mecenas's* of *This*, and all other *Arts* in the dust; yet had we a *Paine* for his Ship, some heads to the life, especially that of *Dr. Alabaster*, *Sir Ben. Rudyard*, and several other things; *A Cecil*, and a *Wright* little inferiour to any

we have enumerated for the excellency of their *Burines* and happy designs; as at present we have Mr. *Faithorne*, Mr. *Barlow*, *Gaywood*, *Loggan* and others who have done excellently both with the Graver, and in *Aqua fortis*, especially in those birds and beasts which adorne the Apologues of *Æsop*e published by Mr. *Oglebie*; and of Mr. *Faithorne*, we have that *Christ* after *Raphael* from some excellent Master, as big as the life: a *Madona*, *Chr. Joseph* and a *Lamb*, after *La Hyre* a very good painter; The Effigies of my Lord Viscount *Mordaunt*, Sir *W. Paston*, and his Lady, with several others after *Van dyke*, *Honiman*, &c.

Lightfoot hath a very curious Graver, and special talent for the neatnesse of his stroak, little inferiour to *Wrēx*; and has published two or three *Madonas* with much applause: Also *Glover* divers heads; as at present *J. Fellian* Disciple of Mr. *Faithorne*, who is a hopeful young man: Lastly, for *Medails* and *Intaglias* we have Mr. *Symonds*, *Rawlins*, *Restrick*, *Johnson* and some others, whose works in that kind have hardly been exceeded in these later times; not omitting the industrious Mr. *Coker*, *Gery*, *Gething*, *Billingly*, &c. who in what they have published for *Letters* and *Flourishes* are comparable to any of those

Masters whom we have so much celebrated amongst the *Italians* and *French* for *Calligraphy* and fair writting: We have likewise *Switzer* for cutting in Wood, the son of a Father who sufficiently discover'd his dexterity in the *Herbals* set forth by Mr. *Parkinson*, *Lobel*, and divers other works with due commendation; not to mention the rest, as yet unknown to us by their names, from whose industry we are yet to hope for excellent progresse.

We do therefore *here* make it our suite to them, as what would extreamly gratifie the curious, and *Virtuosi* universally, that they would endeavour to publish such excellent things as both his Majesty and divers of the Noblesse of this Nation have in their possession; and to which there is no ingenious person that will be deny'd access; since if these Collections were well engraven and dispers'd about the World, it would not only exceedingly advance their profit, and reputation; but bring them likewise into a good manner of *Designing*, which is the very life of this Art, and render our *Nation* famous abroad, for the many excellent things which it has once again (by the blessing of God, and the *Genius* of our most Illustrious Prince) recover'd;

cover'd ; Especially, if joyned to this, such as exceed in the talent, would entertain us with more *Landskips*, and views of the Environs, Approches and Prospects of our nobly situated *Metropolis*, *Greenwich*, *Windsor*, and other Parts upon the goodly *Thames*; and in which (as we said) *Mr. Hollar* has so worthily merited, and other Countries abound with, to the immense refreshment of the Curious, and Honour of the industrious Artist : and such we farther wish, might now and then be encourag'd to travail into the *Levantine* parts ; *Indies*, East and West ; from whose hands we might hope to receive innumerable, and true *Designes* drawn after the life, of those surprising *Landskips*, memorable Places, Cities, Isles, Trees, Plants, Flowers, and Animals, &c. which are now so lamely, and so wretchedly presented, and obtruded upon us by the Ignorant, and for want of abilities to reforme them.

And thus we have (as briefly as the subject would admit) finish'd what we had to offer concerning the original and Progress of this noble Art : Not, but that there may have been many excellent Masters omitted by us, whose names were worthy of Record ; But because they did not occur,

at the writing hereof, and that we have already introduc'd a competent, and sufficient number to give reputation to the Art, and verifie our Institution. For the rest, if we have somewhat exceeded the limits of a Chapter (comparing it with those which did precede) it has not been without Prospect had to the benefit of such as will be glad of instruction how to direct their choice in collecting of what is curious, worthy their procuring, and as the *Italian* calls them, *di buon gusto*: For we are far from opining with those, who fly at all without judgement or election. In summe, it were to be wished, that all our good painters would enrich our collections with more of their Studies and Ordonances, and not despise the putting of their hands now and then to the Graver: We have given instances of great Masters who excell'd in both; and the Draught, if it be good, does sufficiently commute for the other defects, or what it may seem to want in the neatnesse, and accurate conducting of the *Hatches*; since by this means, we should be stored with many rare *Designes*, *Touches*, and *Inventions*, which for being only in *Crayone*, are casual, and more obnoxious to accidents; and can be communicated but

to those few, who have the good fortune to obtain their Papers; and (which is yet more rare) the happinesse to understand, as well as to talk of them.

CHAP. V.

Of Drawing, and Design previous to the Art of Chalcography; and of the use of Pictures in Order to the Education of Children.

AS the Rules of Measure and Proportion have an universal influence upon all the Actions of our lives; it was a memorable, and noble saying of a great Person of our Nation, discoursing to us once concerning the dignity of Painting, and the arts which attend it: *That one who could not Designe a little, would never make an honest man:*

How that observation succeeds in the general, we have not made it much our observation; but this we are bold to pronounce. That he shall never attain to the excellency of a good *Chalcographer*, who is not more then ordinarily skill'd in the faculty and art of *Drawing*; a thing so highly necessary, that *Donatellus* was wont to tell his Disciples (discoursing sometimes

Thomas
Earl of
Arundel
L. Marsh.
of Eng-
land.

concerning the accomplishment of this Art) that to deliver it in a single word, he would say, *DESIGNÉ*; because it was the very Basis and Foundation, not only of this, but even of all those free and noble Sciences of *Fortification*, *Architecture*, *Perspective*, and whatsoever also pretended to any affinity with the *Mathematicks*, as really leading the Van, and perfective of them all.

But to treat Methodically of this, or as we have already enlarged in the History and Progress of *Chalcography*, and the surviving labours of the most renowned Masters, would require no lesse time and pains: It were indeed a noble, curious, and useful work, but almost impossible to accomplish; because the Original Drawings of the great Masters, being dispersed amongst the hands of the greatest Princes, and men of Science only, are preserved with jealousy, and esteem'd, as so many Jewels of greater value, then those of Pearles and Diamonds: For some of them being the very best workes, though but imperfect draughts of so Excellent Artists; they have for the most part been in greater esteem, then even those of larger bulke and more finished; as *Pliny* instances in the *Iris* of *Aristides*, the *Medea* of *Timomachus*, and some

some others ; because (as he there speaks) such touches did even expresse the very thoughts and prime conception of the Workman , as well as the Lineaments which he presents us ; and that there is a certain compassion in our Natures, which indears them to us, so as we cannot but love, and desire the hands which perished in the midst of such famous pieces : Add to this, their inimitable Antiquity, than which (according to *Quintilian*) nothing do's more recommend things to us, from a certain Authority which it universally carries with it ; so as we seem to review what they did of old in this kind ; as if (with *Libanius*) the Gods had imparted something of extraordinary to the Masters of the Ages past, which the nature of man is not now capable of attaining.

Inst. l. 8.
c. 3.

These difficulties therefore consider'd, it will not be required of us in this Chapter, which pretends to celebrate and promote the Art of *Drawing*, and *Designe*, only as it has relation, and is an absolute requisite to that of *Chalcography*, and to prescribe some directions and encouragements, which may prepare and fit the hand with a competent address therein.

Whether *Design*, and *Drawing*, were the
the

the production of Chance or Excogitation, we determine not; certain it is that practise and experience was its Nurse and perfecting; by some thus defin'd to be *A visible expression of the Hand resembling the conception of the mind*: By which Definition there are who distinguish it from *Drawing* both as to its Original, and Formality; For *Design* (say they) is of things not yet appearing; being but the picture of *Ideas* only; whereas *Drawing*, relates more to Copies, and things already extant: In sum, as the Historian differs from the Poet, and *Horace* has well expressed it,

-----*Pictoribus atque Poetis*

Quidlibet audendi semper fuit æqua potestas.

Arte
Poet.

We could easily admit this *Art* to have been the most antient, and with *Philostratus*, *ἰστένεύσατον τῆ φύσει*, of kin even to *Nature* herself: But to take it some what lower, there goes a tradition, that some ingenious Shepheard was the inventor of it, who espying the shadow of one of his sheep on the Ground (interpos'd between him and the culminating, or declining sun) did with the end of his crook, trace out the *Profile* upon the dust: and truly some such vulgar accident (for chance has been a fruitful Mother) might first probably introduce

duce it; however afterwards subtiliz'd upon and cultivated, till it at length arriv'd to that degree of excellency and esteem, which it has happily gained, and so long continu'd.

But to quit these nicer investigations, and proceed to some thing of use, as it concerns the Title of this *chapter*: The first and principal manner of Drawing is that with the *pen*; the next with *Crayon*, whither black, white, red or any of the intermedial colours, upon paper either white or colour'd: We will not say much concerning washing with the pencil, or rubbing in the shades with *Pastills* and dry Compositions; because it is not till our *Disciple* be a consummat *Artist*, that he can be edified with designs of this nature, and, after which, they are of excellent use and effect.

The *pen* is therefore both the first, and best instructive, and has then (as all the other kinds) attain'd its desired end, when it so deceives the eye by the *Magic*, and innocent *Witch-craft* of lights and shades, that elevated, and solid bodies in *Nature*, may seem swelling, and to be embossed in *Plano*, by *Art*.

To arrive at this, you must first draw the exact lineaments, and proportion of the subject you would expresse in *profile*, *Con-*

tours and single lines only; and afterwards, by more frequent, and tender hatches in the lighter places, strong, bold, or cross in the deeper.

By *Hatching* is understood a continual *Series*, or succession of many lines, shorter, or longer; close, or more separate; oblique, or direct, according as the work requires, to render it more, or lesse inlightned; and is attain'd by practise with a swift, even and dextrous hand; though sometimes also, by the help of the *rule* and *compass*; every man being not an *Apelles* or *Pyrgoteles* to work without them. Now the best expedient to gain a mastery in this Address, will be to imitate such *prints*, and *cuts*, as are most celebrated for this perfection: Such (amongst plenty of others) are those of *Henry Goltzius*: The *Sadelers*, *Harman*, *Sawredam*, *Vosterman*, and above all, that rare book of *Jacomo Palma* graven by *Odoardo Fialetti*: Of the more Modern, the incomparable *Natalis*, *Nanteuil*, *Poilly*, *Cornel. Blomaert*; These for the *Burin*: For *Etching*, *Callot*, *Morine* and *Bosse*; especially in those his latter pieces, which have so nearly approach'd the Graver. After these, let our Learner design the several members of bodies a part, and then united,
with

with intire *Figures* and *Stories*, till he be able to compose something of his own, which may support the examination of qualified Judges. But the *προχάραγμα* or first draughts of these ; would not be with too great curiosity, and the several *minutiæ* that appear in many Coppies ; but with a certain free and judicious negligence, rather aiming at the *Original*, than paining of your self with overmuch exactnesse: for *nocere sapè nimiam diligentiam*, was an old observation ; and therefore the antient Painters (sayes *Philostratus*) more esteem'd a certain true and liberal Draught, than the neatness of the Figure, as he expressees it in *Amphiaraus's* Horse, sweating after the conflict ; since Drawings and Designes are not to be like *Polycletus's* Canon, which took its several parts, from as many perfect bodies, by a studied, and most accurate Symmetrie : It shall suffice that the prime conceptions of our Artist be perform'd with less constraint ; a coal or pensil of black-lead will serve the turn, reserving the stronger, and deeper touches for a second pass of the hand over your work ; and last of all, penning the *Contours*, and out lines with a more even and acute touch, neatly finishing the hatches with a resolute, constant and flowing hand ; especially, as it approaches to the fainter

fainter shadowes, terminating them in lost and misty extreams, and thwarted (if you will *counter-hatch*) at equal, and uniform intervals (but not till the first be dry) or, if with single stroaks (which to us renders the most natural, and agreeable effects) with full, deep hatches, and their due diminishings.

But it would haply be objected, that these accurate *Designes* of the *pen*, were never esteemed among the nobler parts of *Drawing*, as for the most part appearing to finnicall, stiff and constrain'd: To this, we reply; that the remark is not impertinent, as commonly we find by experience: But it has not proceeded from the least defect in the *Instrument*, but from that of the *Artist*, whose aptitude is not yet arriv'd to that perfection which is requisite, and does infallibly confirme, and dispose the hand to whatever it addresses; affording so great a delight and satisfaction to some excellent Workmen, as that they never desir'd to advance further, then this *Triumph* of the *pen*, which has celebrated their names, and equaliz'd their renown with that of the most famous Painters: For such were (in this nature) the incomparable Drawings of *Don Giulio Clovio*,
Albert

Albert Durer, Passarotto, yea Titian himself, when the fanfic took him: The foremention'd *Goltzius*, especially, for his *Diana* sleeping, drawn with a pen on a cloath prim'd in oyl, which was sometimes sold at *Amsterdam* for 200 pounds; and that laborious, and most stupendious work of his, now part of his *Majesties collection*, where he has drawn with the pen upon an heightning of Oyl, a *Venus, Cupid, Satyr*, and some other figures, as big as the life it self, with a boldness, and dexterity incomparable: and such are some things which we have seen done by *Signior Thomaso a Florentine*; our ingenious friend *Mr. Vander Douse* (descended of that noble *Janus Dousa*, whose learning, and courage the great *Scaliger*, and *Grotius* have so worthily celebrated) now in the Court of *England*. To these we add *Rob. Nanteuil* at *Paris*, and of our own Country-men, those eight, or ten Drawings by the pen of *Francis*, and *John Cleyn*, two hopefull, (but now deceased) Brothers, after those great *Cartoons* of *Raphael*, containing the stories of the *Acts of the Apostles*, where in a fraternal emulation, they have done such work, as was never yet exceeded by mortal men, either of the former, or present Age; and worthy they

they are of the honour, which his *Majesty* has done their memories, by having purchased these excellent things out of *Germany*, whither they had been transported, or, at least intended: There is likewise one *Mr. Francis Carter* (now in *Italy*) not to be forgotten amongst those whose pens deserve to be celebrated: But it is not here that we are to expatiate far on this particular, as designing a Chapter only, much less shall we have leisure to proceed to black, and white Chalke (as they call it) upon colour'd paper, in which those many incomparable, and Original *Drawings* of the old and great *Masters* are yet extant, wherein a middle Colour wrought upon two extreames, produces (on an instant) that wonderfull, and stupendious roundness, and extancy, which the Pen is so long in doing, though, so infallible a guide to its well doing; that having once attain'd the command of that instrument, all other *Drawings* whatsoever, will seem most easie and delightfull: Neither shall it then be requisite to continue that exactness, since all *Drawing* is but as an *Hand-maid* and *Attendant* to what you would either *Grave* or paint.

But by this perfection and dexterity at
first,

first, did even those renouned Masters, *Julio*, *Parmegian*, and sometimes *Polyder*, himself (not to insist on *Rubens* and *Van-dyke*) proceed, whose *Drawings* in this kind, when first they made their studies in *Italy*, were exceedingly curious, and finished; though in all their more recent, and maturer *Designes*, rather judicious than exact, because of that time which such minute finishings did usually take up; and, that when all is done, it is still but a *Drawing*, which indeed conduces to the making of profitable things, but is it self none.

Yet so highly necessary is this of *Draw- ing* to all who pretend to these noble, and refined Arts; that for the securing of this Foundation, and the promotion and encouragement of it, the greatest *Princes* of *Europe*, have erected *Academies*, furnished with all conveniencies, for the exercise, and improvement of the *Virtuosi*: Such illustrious and noble *Genius's* were *Cosimo di Medices*, *Francis* the First, *Carlo Borromeo*, and others, who built, or appointed for them, Stately *Appartiments* even in their own Palaces, and under the same Roofe: procuring *Models*, and endowing them with *Charters*, *Enfranchisements*, and ample *Honoraries*; by which they attracted to

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their

their Courts, and Countries most of the refin'd, and extraordinary spirits in all the *Arts* and *Sciences* that were then celebrated throughout the World.

Nor it seems has it been the sole glory of those illustrious Princes to cherish and enoble men of Art: the *Greek* and *Roman* of old had them in special veneration; but in none of their Courts, were men of Science carressed to that degree, as in that we have read of the Emperours of *Japans* at present, who does not only entertain, and nobly accommodate them, but never stirs abroad without their company. These great men sayes my * Authour (meaning *Physitians, Painters, Sculptors, Musitians, &c.* quos proprio nomine appellant *Contubernium Caesaris*) march before the King whither he go forth in Litter or on Horseback; and being elected of Persons of the greatest birth in his Dominions, they alwayes continue at his Court, richly appointed with sallaries; but otherwise, to bear no office whatsoever which may in the least importune them, *eo solum electi, ut Imperatori ad voluptatem & delectationem consortium praestent*, as being therefore only chosen, to recreate and divert the Prince with their excellent conversation: These being men of the rarest parts,

and

Descrip.
Reg. Ja-
ponia
Bern. Va-
renii.

and endowments in his Empire, have pre-eminence in all places next the King; then come the Guards in the reere, which consist of a more inferiour Nobility: Thus farr the *Historian*: We know not how this Instance may in these dayes be interpreted; but certainly the Courts of Princes were in former Ages, compos'd of men of the greatest virtue and talents above the rest, and such as possess'd something of extraordinary (besides the wearing of fine cloaths, and making the *bone mine*) to recommend them. We insist not on *Sculptors*, and *painters* only, especially, as such men are now for the most part Vitious, or else of poor and mechanick spirits; but as those Antient and Noble *Genius's* were heretofore accomplish'd; and such as of late were *Raphael*, *Durer*, *Leon Alberti*, *Da Vinci*, *Rubens*, and at present, *Cavalier Bernini*, &c. persons of most excellent endowments, and universally learned, which rendered their *Fautors* and *Protectors* famous, by leaving such marks of their admired Virtue, as did eternize their merits to after Ages.

Thus it was, that *Myron*, *Polycletus*, *Phydias*, *Lysippus* and others of the Antient, procured such lasting names by their divine labours: They wrought for *Kings*, great *Cities* and Noble *Citi-*

zens: whereas others, on the contrary, (Men haply of no lesse industry and science) had little or no notice taken of them; because they received no such encouragements, were poor and neglected, which did utterly eclipse and suppress their fame; such as those whereof *Vitruvius* does in the *Preface* to his third book make mention, where he speaks of *Chiron* the *Corinthian*, *Hellas* of *Athens*, *Miyagrus* of *Phocia*, *Pharax* the *Ephesian*, besides *Aristomenes*, *Polycles*, *Nicomachus*, and several others, who being excellent Masters and rarely endow'd, perish'd in obscurity, and without any regard, from the unequal hand and distribution of fortune, and for want of being cherished by Princes and great men: But to return;

In these places had they books of *Drawings* of all the old, and Renowned *Masters*, *Rounds*, *Busts*, *Relieuos* and entire *Figures*, cast off from the best of the *Antique Statues* and *Monuments*, *Greek* and *Roman*; There was to be seen, the *Laocœn*, *Cleopatra*, *Antinous*, *Flora*, *Hercules*, *Commodus*, *Venus*, *Meleager*, *Niobe*, &c. whereof the *Originals* are still extant at *Rome*: There were likewise divers rare and excellent *Statues*, both of *brass* and *marble*; *Modells* and divers fragments of *Bases*, *Colomns*,
Capitals

Capitals, Freezes, Cornices and other pieces moulded from the most authentique remains of the antient famous buildings, besides a universal collection of *Medaills*, things Artificial and natural.

But to recover our *Drawing* again, as it concernes the Art of *Chalcography*, we have already mentioned such of the most accomplish'd *Gravers*, whose labours and works were proposed for exemplars and imitation: Nor let the most supercilious *painter* despise what we have here alledged; or imagine it any diminution to his *Art*, that he now and then put his hand to the *pen*, and draw even after some of those *Masters* we have so much celebrated: what *Andrea del Sarto* has taken out of the *prints* of *Albert Durer*, improving, and reducing them to his manner (not for want of invention, and *plagiary* like, as all that have any knowledge of his works can justify) has no way eclipsed, but rather augmented his glory; as on the other side, that divine piece of his, the *Christus mortuus*, which he gave to be cut by *Augustino Venetiano*; The *Triumphs, Vases*, and *Anatomies* of old *Rosso*, by whomsoever engraven, and those other things of his after *Domenico Barbieri*: *Paulo Veroneze* did

much study the *prints* of *Durer*, and that incomparable painter *Antonio Vassalacci*, (call'd otherwise *Aliense*) made notable use of that his prodigious collection of *Stamps* of the most rare hands: not to recapitulate what were published by *Raphael* himself, and infinite others; by which they have sufficiently made appear, the value they attributed to this *Art*; by desiring (as much as in them lay) to render their works famous to posterity, by thus communicating them to the World, though many times, through the hands, but of very vulgar, and ordinary Gravers.

And here we should have put a period to this Essay, and the present chapter, as having abundantly vindicated the necessity and worthiness of *Designe* and *Drawing*, as it is prævious, and introductory to the Art of *Chalcography*; had not one curiosity more prevented us; which because it so much concernes the conducting of *Hatches* and strokes, whether with *pen*, *point*, or *Graver*; pretending (at least very ingeniously hinting) to a method, how by a constant, and regular certitude, one may express to the eye, the Sensation of the *Relievo*, or *extancie* of objects, be it by one, or more hatches, cross and counter,

we think not impertinent here to recite, as briefly as the demonstration will permit.

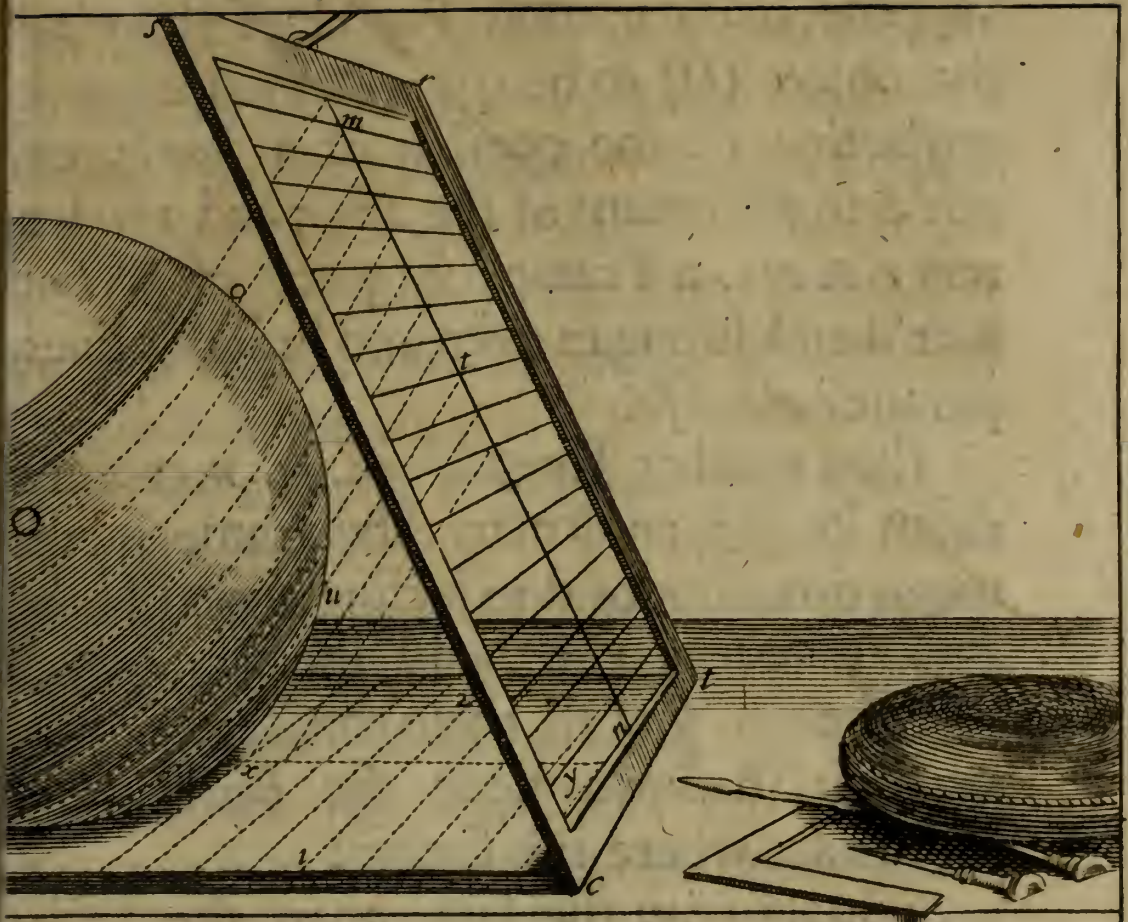
The principal end of a *Graver* that would copy a *Design*, or piece compos'd of one, or more *Objects*, is, to render it correct both in relation to the *Draught*, *Contours* and other particularities, as to the *Lights* and shades on the *Front*, flying or turning, in bold, or faint touches; so as may best express the *Reliefe*; in which *Gravers* have hitherto, for the most part, rather imitated one another, then improved, or refined upon *Nature*; some with more, some with fewer strokes: having never yet found out a certain and uniforme guide to follow in this work; so as to carry their strokes with assurance, as knowing where they are to determine, without manifestly offending the due rules of perspective.

If in truth *Naked*s, and other polite *Bodies* were so formed, as that we might detect the course, and inclination of the *Threads*, *Fibers*, and *Grain*, so as we perceive it in *Stuffs*, *Cloth*, *Linnen* and other *Draperies*; nothing would appear more facile; for let them assume what [^]they will, it does not at all concern

the tiffue, Tenor or range of the Threads and *Wales* (as they call them) which is easily imitated, both as to their inclinations, and distances from the point of fight.

But since we are much at a loss, and can perceive no such direction or clue in Nudities, and other smooth surfaces, it were haply worth the while, to find out some expedient which should assist the imagination in this affair, and that might encounter the difficulty upon other *terse* and *even* objects, by forming such stroaks, and directors upon them in our Imagination; observing, that there are some parts in them commonly to be distinguished from the *Mass* in gross; for example, the *hairs* in men, *eyes*, *teeth*, *nails*, &c. that as one would conceive such lines, or hatches on those *Masses*, others may likewise be as well fanci'd upon those lesser, and more delicate members:

To effect this, the following *Idonisme* is thus explained.



Suppose, in the upmost Figure of this *plate*, the object (*O*) to be the representation in *perspective* of the portion of a *Bowle*, expos'd to the beams of the *Sun*; and the letters *e. s. r. t.* a Frame, or square of Wood barr'd and strung in even and straight lines, parallel *inter se*.

Then another Thread, *viz. m. n.* crossing them in perpendicular. The frame in the mean time suppos'd to incline towards the *Bowle*, *O.* 'twixt it, and the *Sun*, which represents to you all these threads projecting their shadowes upon the *Bowle*, and the surface where it is situate.

Suppose now the same upon the *Relievo* or *Mass* it self; it is evident, that these Threads, in whatever manner you interpose the said Frame 'twixt the *Bowle* and the *Sun*, that they will perpetually cast their shadowes parallel *inter se*, cutting it as it were, into several plains, uniforme, and parallel also.

You see likewise in this very Figure, that the oblique, and direct shades *o u x y* are caused by the *cathetus m t n*, and the pointed curved lines upon the *Bowle O*, *viz. o z n 12.* &c. are formed by the parallels which intersect the perpendicular.

But the same frame posited between the

Sun and a *Head* in *Relievo* of white marble, or the like (as in the inferiour example) will not render the shadow of the threads alike upon all the parts parallel *inter se* (as in the former) though the same were suppos'd to be cut by like plain, and mutual Parallels as was the *Bowle O.* However, so shall they appear, as to hint the tracing of parallels on the *Relievo*, or assist the imagination of them *there*, and consequently, how to designe them upon objects made after the same *Ordonance* in *perspective parallel*, as one may conceive them upon the *Relievo* of an *Ordonance* in *Geometrical parallel*, viz. as in the *Figure O.* or to speak more distinctly, supposing them the same on the irregular, as one the regular.

Consider then upon the *Head*, the course of those imaginary parallels in *perspective*, shaded with the pointed lines; and how the intercurrent hatches, which they comprehend, pursue the same course and tenor, or *perspective parallelisme*.

From these instances now, it will not be difficult how to apply the same upon all the sorts of bodies representable by *Graving*, and to comprehend in one's imagination, the concurrency and uniforme tenor of the particles, as we may so call them; Only, there

there is this particular to be observed, that the projecture of the threads will not appear alike perspicuous in the deep, and shady parts of *Relieuos*, as upon the illuminated, being lost in the dark: But this is easily supplied by the imagination, or by holding a loose thread parallel to the shaded, neer to the body of the Figure; by which the course of the rest may be well conceived. And this may serve to give great light to him that shall either grave in *Copper*, or draw with the *pen*, for the *Symmetrically* conducting of his hatches, determinatively, and with certitude, by thus imagining them to be *Geometrically* marked upon the *Relievo*, or embossement of the *Natural*, whereever he encounter it, and after this conception, to trace them out upon his *Plate*, or *Draught* in perspective.

And indeed, that which is chiefly considerable and ingenious in this, is, *that* of their *Perspective*; since the shades of the lines (in the foremention'd example) which were upon the parts more, or lesse turn'd, appear to our eye accordingly, with more or less force, which renders clear a different effect, as to the swelling and extancies of the parts, then we find it in works where this method has not been observed; so as truly, this may

seem

seem to be the most certain expedient of expressing by hatches, the *Relievo* of objects, whether with the *Pen*, or *Burine*. And this is the sence of a much larger discourse, which *Monsieur du Bosse* has propoled, treating of the practise of *Perspective* upon irregular Surfaces, and we have thought fit to insert into this Chapter; not only because it is new and pretty; but, for that (to us) it appears to be of good use, and as may be seen in some of the late heads graven by the incomparable *Nanteuille*, who had been the sole occasion of this ingenious consideration, about the time of our last being at *Paris*.

But if this (like the diligence of *Mechopares*, which *Pliny* affirms, none was able to understand but an Artist only) seem to be a disquisition more refin'd then useful; for that few of our *Gravers* work off from the *Round*, upon which alone the observation is practicable; yet shall it be necessary to admonish, that shadowes over dark, too deep and suddain, are not commendable in these works, as seldom so appearing in the *life*; and therefore hatchings express'd by single stroaks, are ever the most graceful and natural; though of greater difficulty to execute; especially, being
any

any wayes oblique; because they will require to be made broader, and fuller in the middle, then either at their *entrance*, or *exit*; an addresse much more easie with the *Burin*, and the *Pen*, than with the *point*, Though *Monsieur Bosse's* invention of the *Eschoppe*, does render the making of this *Sulcus*, much more facile: But to attain this Masterly, and with assurance of hand, our Workmen may do well to imitate the *Gravings* of the *Sadelers*, *Villamena*, *Sauanneburg*, *Gaultier*; but especially *Claudius Mellan*, *Natalis*, *Poisly*, *Nanteuill*, *Cornelius Blomart*, *H. Gaultzius*: And for the *Etchers* in *Aqua Fortis*, *Callot*, and *Du Bosse* in some of their last cuts, especially; Though even the *counter hatchings* also, coming tenderly off, and well conducted, (so as 'tis to be seen in some of the prints of *M. Antonio's*, *C. Cort. Aug. Carracio* and other Masters) render both an admirable and stupendious effect: For it is in this well placing of *white* and *black*, wherein all this *Art*; and even that of *painting* does consist: Thus *Aglaphontes* us'd but one Colour, no more did *Nitia* the *Athenian* Painter; and it was this *Relievo* also for which the famous *Zeuxis* became so renown'd: not to insilt on *Heredices* the *Co-*
rinthian

rinthian, and *Thelophanes* the *Sicyonian*, who were both of them but *Monochromists*; and, 'till *Cleophanes* came amongst them, no dissemblers, as owning no other Colours but those eminent Contraries; that is, the lights and the shades, in the true managing whereof, so many wonders are to be produc'd by this *Art*, and even a certain splendor, and beauty in the touches of the *Burin*, so as the very *Union* and colouring it self maybe conceiv'd without any force upon the imagination, as we have before observed in these excellent Gravings of *Natalis*, *Roussel*, and *Poisly*, after *Bourdon*; and in what *Greuter*, *Blomart*, and some others have done after *Monsieur Poussin*, *Guido Rhene*, *Cortoon*, &c.

But here by the way, let no man think we mean by this *Coloree* (as they term it) in Drawing and Graving, such a position of the *Hatches* as the *Chevalier Wolson* has invented, and *Pietra Santa* the *Jesuite* has follow'd, to distinguish their *Blazons* by: But a certain admirable effect, emerging from the former union of Lights, and shadowes; such as the *Antients* would expresse by *Tonus*, or the *Pythagoreans* in their *Proportions*, and imitated in this *Art*, where the shades of the *Hatches* intend,

*Theatre
d' honneur.
Tessera
Gentil.*

and

and remit to the best resemblance of *painting*, the *Commissures* of the light and dark parts, imperceptably united, or at least so sweetly conducted, as that the alteration could no more certainly be defin'd, then the *Semitons*, or *Harmoge* in *music*; which though indeed differing; yet it is so gentle, and so agreeable, as even ravishes our senses, by a secret kind of charme not to be expressed in words, or discerned by the ignorant. And this it is, which has rendred it so difficult to cobby after *Designes* and *Painting*; and to give the true heightnings, where there are no hatchings to express them; unless he, that Copies, Design perfectly himself, and possess more then the ordinary talent and judgement of *Gravers*, or can himself manage the Pencil. But to return to *Prints* again, we are to understand, that what the Artists do many times call *excellent*, does not alwayes signifie to the advantage of the *Graver*; but more frequently, the *Design*, consisting in the *lineaments*, *proportion* and *ordonance*, if these be well, and masterly perform'd, and for which we have so recommended the practise of this Art to our *English Painters* in *chap. IV*. Though, to speak of an accomplish'd piece indeed,

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it is the result of integrall causes only, and where they universally encounter.

We do farther add, that for this reason, *copies* are in *Prints* much more easily detected, than in *paintings*; and by consequence, more facile also to imitate, as using all one kind of Instrument, and fewer wayes of expression: But if there be a difficulty in it, those which are *Etched* in A. F. make it most conspicuous; both because the nature of the *plates*, and quality of the *waters*, and their operations, may sometimes fall out to be so very unlike: But, to discern an *Original print* from a *Copy-print* (not to speak of such plates as have been retouch'd, and therefore of little value) is a knack very easily attain'd; because 'tis almost impossible to imitate every *hatch*, and to make the strokes of exact and equal dimensions, where every the least defect, or flaw in the Copper it self, is sufficient to detect and betray the Imposture, as in that little *Descent from the cross* of *Hanibal Carraccio* (already mention'd) is perspicuous, and which it were absolutely impossible to conterfeit. In the mean time, such as are profound, and well knowing, do establish their Judgments upon other particulars of the Art, and the very handling it self. K Lastly

Lastly, that A. F. gives a tenderness to *Landskips, Trees* and *Buildings* superiour to that of the *Burine* (though that exceed infinitely in Figures) may be seen in that of *Israels* view of the *Louvre* before recited, and in some other works where there is an industrious and studied mixture; as in that second manner of *Vosterman's* which did so much please *Rubens* and *Vandyke*, even in the *Portraits* which that excellent *Graver* published after those great mens paintings.

It was in the former Chapter that we made rehearsal of the most renowned *Gravers*, and their works; not that we had no more to add to that number; but because we would not mingle these illustrious names and qualities there, which we purposely reserved for the crown of this discourse; we did therefore forbear to mention what his Highness *Prince Ruperts* own hands have contributed to the dignity of that Art; performing things in *Graving* (of which some enrich our collection) comparable to the greatest Masters; such a spirit and address there appears in all that he touches, and especially in that of the *Mezzo Tinto*, of which we shall speak hereafter more at large, having first enumerated those

those incomparable gravings of that his new, and inimitable *Stylle*, in both the great, and little *decollations* of *St. John Baptist*, the *Souldier holding a Spear and leaning his hand on a Shield*, the two *Mary Magdalens*, the *Old-mans head*, that of *Titian*, &c. after the same *Titian*, *Georgioon* and others. We have also seen a *plate Etched* by the present *French King*, and other great persons; the Right Honourable the *Earl of Sandwich* sometimes (as we are told) diverting himself with the *Burine*, and herein imitating those Antient and renown'd *Herds*, whose names are loud in the *Trumpet of Fame*, for their skill, and particular affection to these Arts: For such of old, were *Lucius Manilius*, and *Fabius*, Noble Romans: *Pacuvius*, the *Tragick Poet*, nephew to *Ennius*; *Socrates* the wisest of men, and *Plato* himself. *Metrodorus*, and *Pyrrhus* the *Philosopher* did both design and paint; and so did *Valentinian*, *Adrian* and *Severus*, *Empp*: so as the great *Paulus Emilius*, esteem'd it of such high importance, that he would needs have his son to be instructed in it, as in one of the most worthy and excellent accomplishments belonging to a Prince. For the Art of graving *Quintilian* likewise celebrates *Euphranor*, a Polite and

rarely endow'd person; and *Pliny* in that Chapter where he treats of the same Art, observes, that there was never any one famous in it; but who was by birth or education a *Gentleman*: therefore *He*, and *Galen* in their recension of the *Liberal Arts*, mention that of *Graving* in particular amongst the most permanent; and in the same *Catalogue* numbers it with *Rhetorick*, *Geometry*, *Logic*, *Astronomie*, yea *Grammar* it self; because there is in these *Arts* say they, more of fancy, and invention, than strength of hand; more of the Spirit, than of the Body. Hence *Aristotle* informes us that the *Grecians* did universally institute their Children in the Art of painting and Drawing, for an *Oeconomique* reason, there signified, as well as to produce proportions in the Mind: *Varro* makes it part of the *Ladies* Education that they might the better skill in the works of Embrodery, &c. and for this cause is his Daughter *Martia* celebrated amongst those of her fair Sex: We have already mention'd the Learned *Anna Schurman*; but the *Princess Luise* has done wonders of this kind; and is famous throughout *Europe* for the many pieces which enrich our Cabinets, examples sufficient to vindicate its dignity, and
the

Polit. l. 8.

c. 3.

the value that has been set upon it ; since both *Emperours, Kings and Philosophers,* the great and the wise, have not disdain'd to cultivate, and cherish this honourable quality ; of old so nobly reputed, that amongst the *Greeks,* a *Slave* might not be taught it : How passionately does *Peyeskius,* that admirable and universal *Genius* deplore his want of dexterity in this Art ! *Baptista Alberti, Aldus, Pomponius Guāricus, Durer,* and *Rubens* were politely learned and knowing men ; and it is hardly to be imagin'd of how great use, and conducive, a competent address in this Art of *Drawing and Designing* is to the several advantages which occur, and especially, to the more Noble *Mathematical Sciences,* as we have already instanc'd in the *Lunary* works of *Hevelius,* and are no less obliged to celebrate some of our own Country-men, famous for their dexterity in this incomparable Art ; such was that *Blagrove,* who himself cut those *Diagramms* in his *Mathematical Jewel* ; and such at present, is that rare and early prodigy of universal science, *Dr. Chr. Wren,* our worthy and accomplish'd friend. For, if the study of *Eloquence* and *Rhetorick* were cultivated by the greatest *Genius's* and *Heroic* persons

which the World has produc'd ; and that by the suffrage of the most knowing, to be a perfect *Orator*, a man ought to be universally instructed ; a quality so becoming and usefull, should never be neglected.

Quintil.
inst. l. 2.

Omniū enim Artium peritus erit Orator, si de Omnibus ei dicendum est : He that would speak well upon all subjects, should be ignorant of none : It was *Cicero* that taught *Quintilian* the importance of it, where he tells us, that in his opinion, no man could pretend to be *Omni laude cumulatus Orator*, a perfect and accomplish'd *Orator* indeed, *nisi erit omnium rerum magnarum atque Artium scientiam consecutus*. It is the sentence of that great Man, and therefore to be embraced by us, especially on this occasion ; because it was immediately after he had expressly instanc'd in *Cælatura* & *Sculptura*, that of cutting and Engraving : for it is worth the observation, that the Ages which did most excell in *Eloquence*, did also flourish most in these *Arts*, as in the time of *Demosthenes* and the same *Cicero* ; and as they appear'd, so they commonly vanish'd together ; and this remark is universal.

De Orat.
I.

But now for close of all, and to verifie the admirable use which may be deriv'd
from

from this incomparable *Art* above the rest, let us hear what the learned *Abbot* of *Villeloin*, *Monsieur de Marolles* has left upon Record in the *Memoires* of his own life, *Anno 1644*. after he had made a very handsome discourse (which we recommend to all good *Roman Catholiques*) concerning *Images*, upon occasion of a superstitious frequenting of a certain renowned *Shrine*, pretended to have done Miracles at *Paris*, but was detected to be an imposture: The passage is thus,

Dieu m' a fait la grace, &c.

I am (saith he) greatly obliged to *God*, that though I have ever had a singular affection to *Images*, I was never in my life superstitious; I have yet made a *collection* so prodigious, that they amount to no less than *seventy thousand* (he adds afterwards ten thousand more) but they are all *Copper-cuts* and engravings of all sorts of Subjects imaginable. I began to be addicted to this kind of Curiosity but since the year 1641; but have so cherish'd the humour, that I may truly affirm, without the least exaggeration, that I have some prints of all the *Masters* that are a-

ny where to be found, as well *Gravers*, as *Designers* and *Inventors*, to the number of above four hundred; And these are ranged in books of *Charts*, and *Mapps*, *Calligraphy*, *Architecture*, *Fortification*, *Tacticks*, *Sieges*, *Circumvallations*, *Battails*, *Single-Combats*, *Naval Fights*, *Maritime Pieces*, *Landskips*, *Townes*, *Castles*, *Seas*, *Rivers*, *Fountains*, *Vasas*, *Gardning*, *Flowers*, *Ruines*, *Perspective*, *Clocks*, *Watches*, *Machines*, *Goldsmiths Works*, for *Joyners*, and *workers in Iron*, *Copper*, *Embroydering*, *Laces*, *Grotesque*, *Animals*, *Habits of several Countries*, *Anatomies*, *Portraictures*, *Cartouches* and *Compartiments*, *Antiques*, *Bas-reliev's*, *Statues*, *Cataphalcos*, *Tombs*, *Epitaphs*, *Funeral pomps*, *Entries*, *Cavalcados*, *Devises*, *Medaills*, *Emblems*, *Ships*, *Cabinet-pieces*, *Trees*, *Fruits*, *Stones*, *Dances*, *Comedies*, *Bacchanalias*, *Huntings*, *Armories*, *Tournaments*, *Massacres*, *Executions*, *Torments*, *Sports*, *Heroic and Moral Fables*, *Histories*, *Lives of Saints*, and *Martyrs*, *pieces of the Bible*, *Religion Orders*, *Theses*, and above ten thousand *Portraits* of renowned *Persons*, without counting (amongst these) above fixscore *Volums of Masters* whose names he there enumerates *Alphabetically*. This *Curiosity* (sayes he) I affected from

from my youth ; but did not much cultivate till of late years, preferring it even before *paintings* themselves (for which yet I have infinite esteem) not only for that they are more proportionable to my purse ; but because they better become our *Libraries* : so that had we a dosen only, that were curious of these Collections in *France* ; especially amongst persons of condition (such as *Monsieur de l'Orme*, the late *Monsieur de la Mechinier*, &c.) *Taille-Douces* would come to be extraordinary rarities ; and the Works of *Lucas*, *Durer*, *Marke Antony*, and the *Polite Masters* which are now sold at four, or five hundred Crownes a piece, would be then valu'd at three times as much ; a thing incredible, did not experience convince us of it ; those who are touch'd with this kind of affection, hardly ever abandoning it, so full of charmes, variety and instruction it is. Truly, me thinks, that all *Princes* especially, and great Men should be stored with these works, preferrable to a World of other trifling Collections, and less fruitfull ; as comprehending so many considerable, remarkable things, and notices of almost all sorts of subjects imaginable. Thus far the Learned *Abbot*.

But

But it leads us yet farther, when we seriously reflect, how capable this *Art* is above all other whatsoever, to insinuate all sorts of *Notions* and things into *Children*, and be made an *Instrument of Education* superiour to all those *Abstracted termes*, and *secondary intentions* wherewith *Masters* commonly torment and weary their tender and weak *Capacities*: And this we have discover'd by much experience, and could here produce examples beyond beliefe in a *Child* at present not six years old, who does both know, and perfectly comprehend, such things and *Actions* as hardly any at sixteen, some at twenty have yet attained, who pursue the common *Method* of our *Grammar Schooles*, without these aids, and advantages: For, since *Nihil est in Intellectu, quod non prius fuit in sensu*; and, that as the *Poet* had well observ'd.

Aristot.

Horat.

*Segnius irritant animos demissa per Aurem
Quam quæ sunt Oculis subiecta fidelibus---*

What can there be more likely to informe and delight them, *dum animus majora non capit*, then the pictures and representations of those things, which they
are

are to learn? We did mention
the *Hieroglyphical Grammar* published
Dr. Conway; and it is well known, how
Eilhardus Lubinus in an *Epistle* to the
Duke of *Stetin*, has celebrated and con-
triv'd an Institution of youth by this *Art*:
Such as was also the Design of that Prodi-
gie of a Man, *La Martelay*, who had alrea-
dy collected and digested such a choice num-
ber of *cuts*, and so universall, as by which
he more then pretended (for he really
effected it) to teach all the *sciences* by
them alone, and that with as much cer-
titude, and infinite more expedition,
then by the most accurate method that
was ever yet produced: What a *speci-*
men of this *Jo. Amos Commenius* in his *Or-*
bis sensualium pictus gives us in a *Nomen-*
clator of all the Fundamental things and
Actions of Men in the whole World, is
publick, and I do boldly affirm it to be a
piece of such excellent use, as that the
like was never extant; however it comes
not yet to be perceived: A thousand
pitties it is, that in the Edition published
by Mr. *Hoole*, the *cuts* were so wretchedly
engraven: I do therefore heartily wish
that this might excite some gallant and
publick minded person, to augment and
pro-

need farther upon that most usefull de-
 which yet comes greatly short of the
 perfection it is capable of, were some ad-
 ditions made, and the *prints* reformed
 and improved to the utmost, by the skill-
 full hand of some rare Artist. In the mean
 time, what a Treasury of excellent things
 might by this expedient be conveyed, and
 impressed into the *waxen Tables* and Ima-
 ginations of *children*; seeing, there is nothing
 more preposterous, then to force *those* things
 into the *Eare*, which are *visible*, and the pro-
 per objects of the eye, For *picture*, is a kind
 of *Universal Language*, how diverse soever
 the tongues and vocal expressions of the se-
 veral *Nations* which speak them may appear;
Solet enim pictura tacens loqui, maximeque pro-
dessa, as *Nazianzen* has it.

So as if ever, by this is that long sought for
 Art most likely to be accomplish'd: Nor
 can any words whatever hope to reach
 those descriptions, which in a numberlesse
 sort of things, *Picture* do's immediately,
 and as it were at one glance, interpret to
 the meanest of capacities: For instance, in
 our *Herbals*, books of *Insects*, *Birds*, *Beasts*,
Fishes, *Buildings*, *Monuments*, and the rest
 which make up the *Cycle* of the Learned
Abbot; some of them haply never seen be-
 fore,

fore, or so much as heard of, as *Ælian* does upon occasion ingenuously acknowledge. And what do we find more in request amongst the Antient, then the Images of their *Heros* and Illustrious predecessors? such as *Atticus*, and *Marcus Varro* collected; all which consider'd, we do not doubt to affirm, that by the application of this *Art* alone, not only *Children*; but even *Striplings* well advanc'd in Age, might receive incredible advantages, preparatory to their entrance into the *Schoole Intellectual*, by an Universal, and choice Collection of *prints* and *cuts* well design'd, engraven and dispos'd, much after the manner and method of the above nam'd *Vil-leloin*, which should contain, as it were, a kind of *Encyclopædia* of all intelligible, and memorable things that either are, or have ever been *in rerum Natura*. It is not to be conceived of what advantage this would prove for the Institution of *Princes* and Noble Persons, who are not to be treated with the ruder difficulties of the vulgar *Grammar Schooles* only, and abstruser *Notions* of things in the rest of the *sciences*, without these *Auxiliaries*; but to be allur'd, and courted into knowledge, and the love of it by all such subsidiaries and helps as may best represent it to them in *Picture*, *Nomenclater*,

menclator, and the most pleasing descriptions of *sensual Objects*, which naturally slide into their fluid, and tender apprehensions, speedily possessing their memories, and with infinite delight, preparing them for the more profound and solid studies.

Seneca indeed seems to refuse the *Graphical Sciences* those advantages which others of the *Philosophers* have given to them amongst the most *Liberal*, as reckoning them somewhat too voluptuary for his *Stoical* humour: yet did *Socrates* learn this very Art of Carving, of his Father; *Diogenes* drew the picture of *Plato*; and the Orator *Messalla* commends it most highly: But what more concernes our present instance, is, that it was by the approbation of the great *Augustus* himself, that *Q. Podius* the *Mute* should be diligently taught it: We could tell you of a person of good Birth in *England*, who (labouring under the same imperfection) does express many of his conceptions by this Art of *Drawing* and *Designing*: And if (as 'tis observ'd) it furnish us with *Maximes* to discern of general Defects and Vices, especially, in what relates to the proportions of humane bodies, it is certainly not to be esteem'd so inconsiderable as by many it is. *Polygnotus* could express the *Passions*, and *Aristides* the very interior motions of the soul, if we will believe what is recorded:

ded: But whither it advance to that prerogative; *this* we read of for certain, (as to our pretence for the *Education of Children*) that when *L. Paulus* demanded of the Conquer'd *Athenians* a *Philosopher* to instruct his little ones, they prefer'd one *Metrodorus* an excellent *Painter* before any of the rest: What *Quintilian* sayes of *Euphranor* is sufficiently known; and if some great *Princes* have not disdain'd to take the *Pencil* in the same hand in which they sway'd the *Scepter* and the *Sword*; and that the knowledge of this divine *Art* was usefull even to the preservation of the life of an *Emperor* (for such was that *Constantinus Porphyrogenitus*) it is not without examples sufficient to support the dignity of these *Arts*, that we have with so much *zeal*, recommended them to *Princes* and *Illustrious Persons*.

Luit-
prand:
Hist.

And now we have but one thing more to add before we conclude this Chapter, and it is for caution to those who shall make these *Collections* for curiosity and ornament only; That where we have said all that we can of *This*, or any other particular *Art*, which may recommend it to the favour, and endearment of great persons; our intention is not, that it should so far engage them in its pursuit, as to take from the nobler parts of life, for which there are more sublime and
worthy

worthy objects ; but, that with this (as with the rest which are commendable, innocent, and excellent Company) they would fill up all such spaces, and opportunities, as too often lye open, expose and betray them to mean compliances, and lesse significant diversions: For *these* was *Aratus* a great Collector, nor less knowing in the judgement of Pictures ; so was *Vindex* and many others.

Staius
Vind.
Herc. E-
pitrapez.

--- *Namque hæc quoties Chelys exiit ille*
Desidia est, hic Aoniis amor avocat antris.

He allowes himself these relaxations only when he is tyred with the more weighty affairs and concernments : Finally, that they would universally contend to do some great thing, as who should most merit of the *Sciences*, by setting their hands to the promotion of experimental, & usefull knowledge, for the universal benefit, & *good* of Mankind.

This, this alone, would render them deservedly honorable indeed ; and add a lustre to their Memories, beyond that of their *Painted Titles*, which (without some solid Virtue) render but their defects the more conspicuous to those who know how to make a right estimate of things, and, by whose *Tongues*, and *Pens* only, their *Trophies* and *Elogies* can ever hope to surmount, and out-last the vicissitudes of fortune.

CHAP.

CHAP. VI.

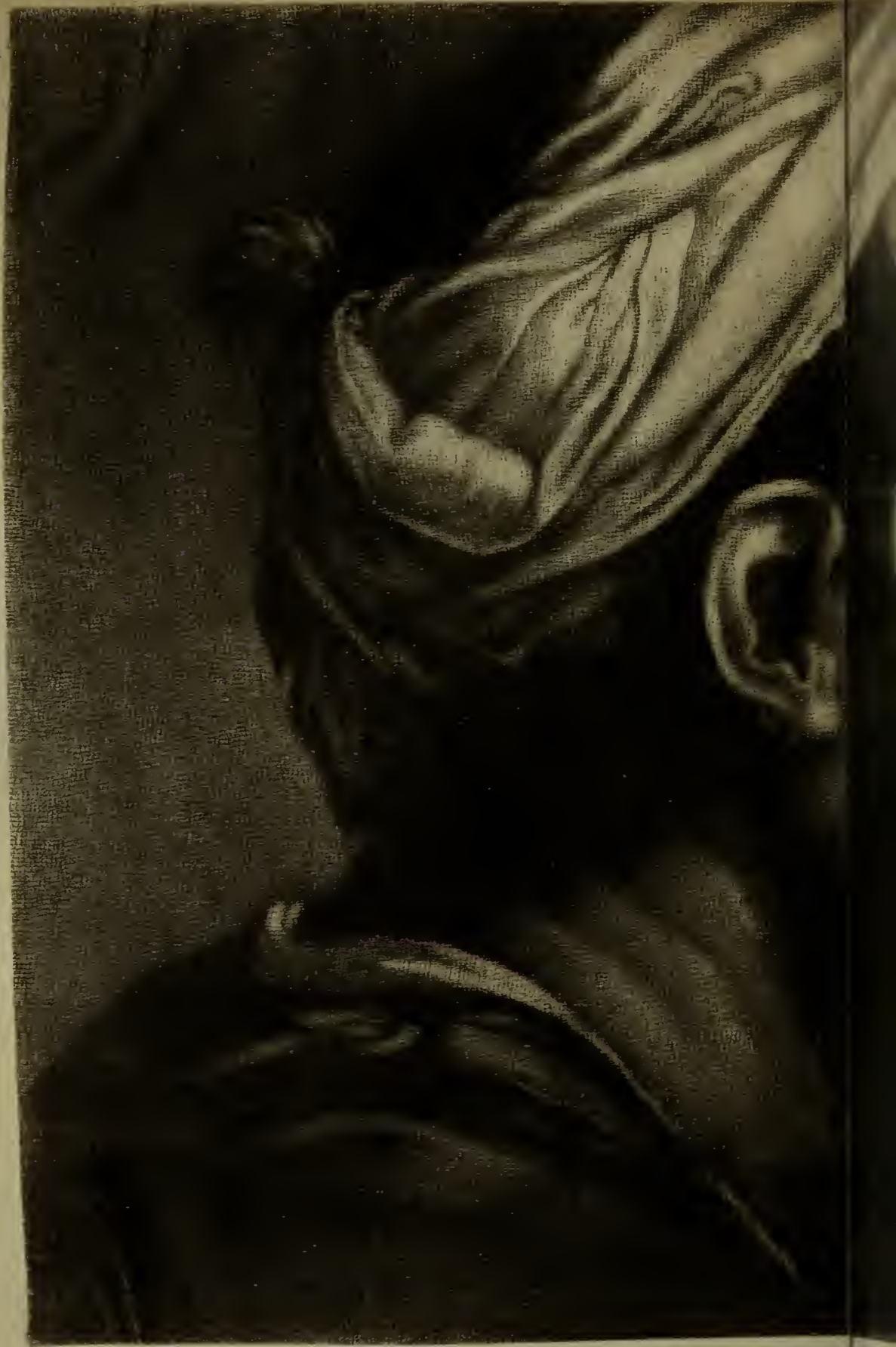
Of the new way of Engraving, or Mezzo Tinto, Invented, and communicated by his Highness Prince RUPERT, Count Palatine of Rhine, &c.

WE have already advertis'd the Reader in one of our Preliminaries, why we did omit what had been by us prepar'd for the Accomplishment of the more Mechanical part of the Chalcographical Art: But it was not out of the least Design to abuse him in the Title at the Frontispiece of this History; since we believed he would most readily commute for the defect of a Mystery so vulgar, to be gratified with another altogether Rare, Extraordinary, Universally approv'd of, admired by all which have consider'd the effects of it; and, which (as yet) has by none been ever publish'd.

Nor may I without extraordinary ingratitude, conceal that Illustrious Name which did communicate it to me; nor the obligation which the Curious have to that heroic

heroic *Person* who was pleas'd to impart it to the *World*, though by so incompetent, and unworthy an instrument.

It would appear a *Paradox* to discourse to you of a *Graving* without a *Graver*, *Burin*, *Point*, or *Aqua-Fortis*; and yet is *This* perform'd without the assistance of either: That what gives our most perite and dextrous *Artists* the greatest trouble, and is longest finishing (for such are the *hatches*, and deepest shadowes in plates) should be here the least considerable, and the most expeditious; That, on the contrary, the *Lights* should be in *this* the most *Laborious*, and yet perform'd with the greatest facility: That what appears to be effected with so little *Curiosity*, should yet so accurately resemble what is generally esteem'd the very greatest; *viz.* that a *print* should emulate even the best of *Drawings*, *Chiaro e Scuro*, or (as the *Italians* term it) pieces of the *Mezzo Tinto*, so as nothing either of *Vago da Carpi*, or any of those other *Masters* who pursu'd his attempt, and whose works we have already celebrated, have exceeded, or indeed approach'd; especially, for that of *Portraits*, *Figures*, tender *Landskips*, and *History*, &c. to which it seems most appropriate, and applicable. This



The first Mezzotinto



Engraved by Prince Rupert.

This Obligation then we have to his *Highness* PRINCE RUPERT, *Count Palatine* of *Rhine*, &c. who has been pleas'd to cause the *Instruments* to be exprefly fitted, to fhew me with his own hands, how to manage, and conduct them on the *plate*, that it might produce the effects I have fo much magnified, and am here ready to fhew the World, in a *piece* of his own *Illuftrious touching*, which he was pleas'd to honour this *Work* withall, not as a Venal addition to the price of the Book (though for which alone it is moft valuable) but a particular grace, as a *Specimen* of what we have alledged, and to adorn this present *Chapter*.

It is likewise to be acknowledged, that his *Highness* did indulge me the Liberty of publishing the whole manner, and address of this new way of *Engraving* with a freedom perfectly generous, and obliging: But, when I had well confider'd it (fo much having been already exprefsed, which may fuffice to give the hint to all ingenious Persons how it is to be perform'd) I did not think it neceffary that an *Art* fo curious, and (as yet) fo little vulgar (and which indeed does not fucceed where the *Workman* is not an accomplished *Designer*,

and has a competent talent in *painting* likewise) was to be prostituted at so cheap a rate, as the more naked describing of it here, would too soon have expos'd it to.

Upon these considerations then it is, that we leave it thus *Enigmatical*; and yet that this may appear no dissingenuous *Rodomontade* in me, or invidious excuse, I profess my self to be alwayes most ready (*sub sigillo*, and by his *Highness's* permission) to gratifie any *curious*, and worthy Person, with as full, and perfect a *Demonstration* of the entire *Art*, as my talent, and addresse will reach to; if what I am now preparing to be reserv'd in the *Archives* of the ROYAL SOCIETY concerning it, be not sufficiently instructive.

FINIS.



AN

ADVERTISEMENT

T Here is a Treatise of Monsieur du Bosses in French, concerning Etching in Aqua Fortis, Construction of the Rolling Press, &c. which (with some improvement of the Method) I did long since interpret, and deliver to the Royal Society, in obedience to their Commands: It was my intention to have added it to this History of mine, as what would have render'd it a more accomplish'd Piece; but, understanding it to be also the design of Mr. Faithorn, who had (it seems) translated the first part of it, and is himself

himself by Profession a Graver, and an excellent Artist; that I might neither anticipate the Worlds expectation, nor the Workmans pains, to their prejudice, I desisted from printing my Copy, and subjoyning it to this discourse. In the mean time, it is to be acknowledged; that the Author thereof, has discover'd his skill so honestly, and intirely, that there seems nothing more desirable, as to that particular: And I could wish with all my heart, that more of our Workmen, would (in imitation of his laudable example) impart to us what they know of their several Trades, and Manufactures, with as much Candor and integrity as Monsieur Bos has done. For what could so much conduce to their profit and Emolument? when their several Mysteries being subjected to the
most

most accurate Inspection and Examination of the more polite, and enquiring Spirits, they should return to their Authors again so greatly refin'd and improved, and when (through this means also) PHILOSOPHY her self, might hope to attain so considerable a progress towards her ultimate Perfection.

Descriptio corporis christi

Legitur in annalibus Romanorum quod
dñs Iesus christus ductus fuit a gentibus
propheta veritatis.

Statura fuit procera et spectabilis, vultu
habens hilarem et venerabilem, quem intus-
us diligere poterant et formidare: Capillos
habuit coloris niviis avellanae, plures circa
aures, ab auribus cininnos et crispas, ali-
quantulum ~~et~~ caeruleos et fulgentiores
ab humeris ventilantes. Diferimen habuit
in medio capitis in morem Nazareorum.

Frontem planum et serrenissimum, cum
facie sine ruga et macula, quam rubor
moderatus venustabat. Nasi et oris repre-
hensio nulla. Barbam habuit copiosam,
capillis concolorem, sed non longam in
mento bifurcatam. Oculos glaucos et claros
existentes. In statura corporis fuit ~~pro-~~
~~portus~~ ~~et~~ rectus. Manus habuit et brachia
visu deludabiles. Alloquio fuit gravis, rarus
et moderatus; ut merito de se diceret
propheta, speciosus fuit forma pra filiis
hominum

This is of an old writing ^{unmistakable}
Earle of Shaftesbury 1788



